KNOWLEDGE ORGANISER BOOKLET

YEAR 10 - Spring



CORE & HUMANITIES

Contents

CORE & HUMANITIES

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Instructions for Use



For all of your subjects, there are certain **facts** that you **need** to know in order for you to best understand the content you study in lessons.

In this booklet are **Knowledge Organisers** for each subject, which contain the core concepts that you have to know to be successful in your lessons.

How to use this Knowledge Organiser:



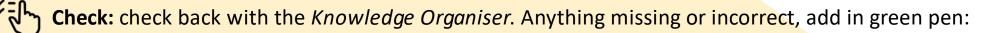
Look: read a specific section of the *Knowledge Organiser*;



Cover: cover it over or put it to one side;



Write: from memory, write out as much of the information as you can remember for that section;





Review: information you didn't recall the first time by using different format, such as repeating the process or creating your own *flashcards* to revise from.

Instructions for Use: Example





1. LOOK: carefully read the section of the *Knowledge Organiser* which you are learning.



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2. COVER: cover it over or put it to one side

3. WRITE: write out as many details as you can from memory.

4. CHECK: check back over your answer with the *KO*. Anything which is missing or incorrect, add in green pen.

5. REVIEW: if you had significant gaps or parts you didn't understand, repeat the process from Step 1.

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Sparx Maths

We do not have a knowledge organiser for Maths. This is because the best way to remember and understand mathematics is to practice it. We use the **Sparx Maths** online platform to provide our students plenty of opportunities for practise and to develop their mathematical knowledge.

What should we do each week?

Complete all of your compulsory section of **Sparx** homework and get it 100% correct. Don't worry, there are videos to help if you get stuck.

How long should it take?

Sparx will adjust your homework, so it will take about 1 hour to complete. If you find yourself taking longer than this, you should ask your teacher for support on the topics you find most challenging.

What if I get stuck?

You can watch the videos, ask a friend or parent, or your teacher, in person or by email.

Why do I get different questions to my friends?

Sparx creates custom homework just for you - because you are an individual. This means your maths homework is designed around your ability and constantly challenges you to make improvements.

Why do I have to get 100%

We believe you deserve the chance to do really well in Maths. Students who complete all the questions on **Sparx** learn more and get better results. You can also earn rewards.

Sparx Maths

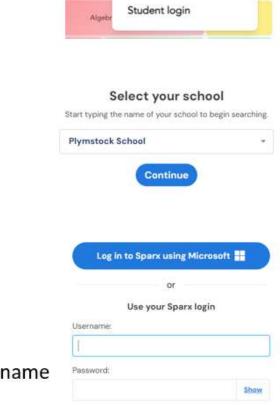
Logging into Sparx Maths

Visit sparxmaths.com and click log in

• Select your school from the drop-down menu

- Log in using your <u>Sparx</u> Maths username and password Or
- Log into Sparx using Microsoft. This will give you option to use your usual school log in to Sparx Maths.

Make sure you remember to add @plymstockschool.org.uk to your username



Register interest

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Teacher login

Log in V

English

Discursive Writing- Knowledge Organiser

What does a hyperbolic introduction look like?

Picture this: you're sat in your dark, smelly bedroom, wedged into a chair that has long been too small for you. You like your chair. You like your room. Most of all, you like your 892 'friends'. Of course, you haven't actually met any of them and wouldn't know what to do if you had the chance. In fact, you're not very good at communicating at all, simply grunting occasionally at your parents when you want some food or when your internet stops working. Welcome to the hellish world of social media.

The simple fact is that so-called 'social' media has made the world a far worse place than it was before. One reason for this is that...

	Definition	Example
Viewpoint	A person's opinion about something.	Myis that we need to stop using fossil fuels.
Genre conventions	The common 'ingredients' of a genre.	One of the c of the gothic g is a focus on supernatural forces.
Counter-argument	An argument against another argument, idea or suggestion.	She anticipated what they would say and prepared in advance.
Tone	 Something in the voice that expresses the speaker's feelings or thoughts. Something in a piece of writing that expresses the writer's feelings or thoughts. 	The angry of this writing reveals her feelings about war.
Hyperbole	Exaggeration for the sake of emphasis.	I'm not normally one for, but that was the best thing I've ever eaten.

Articles

Explanation of Tone Adjective Suggesting that you think someone has done something bad (i.e. accusing Accusatory them). Showing that you feel sorry for something you have done. Apologetic Suggesting that you think something is bad or wrong. Critical Humorous Amusing, funny. Angry because of something that is wrong or not fair. Indignant Laudatory Expressing praise. Light-hearted Not serious. Nostalgic Looking back on the past positively. Scathing Being very critical about something (sometimes in an unkind way). Thoughtful Carefully considering things.

A piece of writing on a particular subject in a newspaper or magazine, or on the internet.

Many different types e.g. news, advice, reviews etc.

Usually has a headline, image, strapline, byline, date.

How to Plan Discursive Writing (Opinion Articles)

Strapline = a subheading in a newspaper or magazine article or in any advertisement

Byline = a line at the top of a newspaper or magazine arti cle giving the writer's name

PERSONAL LEARNING CHECKLIST: Discursive Writing

For each item below, rate your current understanding. Red = not confident at all: Amber = some understanding; Green = good understanding. If you don't recognise or understand the knowledge being referred to, put a question mark.

) T	echnical Knowledge	AAG 1	ANG 2	RAC 3
1.	I know how to use capital letters.	-		_
2.	I know how to use full stops (and how to avoid comma splices/run-on sentences).	-	-	
З.	I know how to use commas.	-	1	
4,	I know how to use exclamation marks and question marks.			
5.	I know how to use apostrophes.		1	
б.	I know how to use semicolons.			
7.	I know how to use colons.	1	-	
8.	I know how to use a hyphen.	-		
9.	I know how to use dashes.			
10.	I know how to use double dashes/double brackets/double commas.		< 2	
11.	I know how to use ellipsis.	1		
12.	I know how to spell accurately.	1		
13.	I know how to show a new paragraph on the page.			
14.	I know how to paragraph using TiP ToP.	-		
15.	I know how to use single sentence paragraphs for impact.			
16.	I know how to write with cohesion (the 'thread').			
17.	I know how to plan writing.	-		
18.	I know how to craft language for impact.			
19.	I know how to craft structure for impact.	-		







Shep 1: Identify GAT

May 2. Plan ideas (for/against table)



Biology

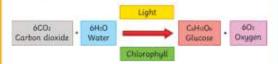
AQA GCSE (Combined Science) Unit 4: Bioenergetics Higher

Photosynthesis

The Effect of Light Intensity on the Rate of Photosynthesis (RPI)

Photosynthesis is a chemical reaction which takes place in plants. It converts carbon dioxide and water into glucose and oxygen. It uses light energy to power the chemical reaction, which is absorbed by the green pigment chlorophyll. This means that photosynthesis is an example of an endothermic reaction. The whole reaction takes place inside the chloroplasts which are small organelles found in plant cells.

Plants acquire the carbon dioxide via diffusion through the **stomata** of their leaves. The water is absorbed from the soil through the **roots** and transported to the cells carrying out photosynthesis, via the **xylem**.



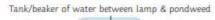
The glucose made in photosynthesis is used for respiration, stored as starch, fat or oils, used to produce cellulose or used to produce amino acids for protein synthesis.

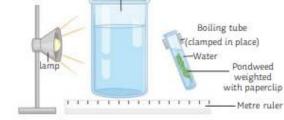
The Rate of Photosynthesis and Limiting Factors

A limiting factor is something which stops the photosynthesis reaction from occurring at a faster rate. Temperature, light intensity and carbon dioxide level are all limiting factors.

Increasing the temperature of the surroundings will increase the rate of reaction, but only up to around 45°C. At around this temperature, the enzymes which catalyse the reaction become denatured.

Increasing the light intensity will increase the rate of reaction because there is more energy to carry out more reactions. Increasing the carbon dioxide concentration will also increase the rate of reaction because there are more reactants available. The amount of light a plant receives affects the rate of photosynthesis. If a plant receives lots of light, lots of photosynthesis will occur. If there is very little or no light, photosynthesis will stop.





Method

- Measure 20cm³ of sodium hydrogen carbonate solution and pour into a boiling tube.
- 2. Collect a 10cm piece of pondweed and gently attach a paper clip to one end.
- Clamp the boiling tube, ensuring you will be able to shine light onto the pondweed.
- 4. Place a metre rule next to the clamp stand.
- 5. Place the lamp 10cm away from the pondweed.
- 6. Wait two minutes, until the pondweed has started to produce bubbles.
- Using the stopwatch, count the number of bubbles produced in a minute.
- Repeat stages 5 to 7, moving the lamp 10cm further away from the pondweed each time until you have five different distances.
- Now repeat the experiment twice more to ensure you have three readings for each distance.
- The independent variable was the light intensity.
- The **dependent** variable was the amount of bubbles produced. Counting the bubbles is a common method, but you could use a gas syringe instead to more accurately measure the volume of oxygen produced.

The **control** variables were same amount of time and same amount of pondweed. A bench lamp is used to control the light intensity and the water in the test tube containing the pondweed is monitored with a thermometer to monitor and control the temperature.

The limiting factor for the reaction will depend on the environmental conditions.

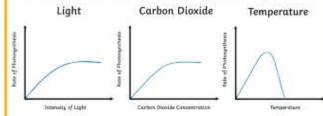
For example:

At night, light intensity is the limiting factor.

Interaction of Limiting Factors (HT only)

In winter, temperature is the limiting factor.

In other conditions, carbon dioxide is usually the limiting factor.



From the graph, you can see that increasing one of the factors will also increase the rate of reaction, but only for so long before it plateaus. This is because another factor will have then become the limiting factor. E.g. you could increase the supply of carbon dioxide, but if there is not enough chlorophyll to absorb the sunlight, then the sunlight will become the limiting factor instead.

Greenhouse Economics (HT only)

To grow plants in the most suitable conditions, a greenhouse can be used.

A greenhouse traps the sun's radiation as heat inside the greenhouse, so that temperature is not a limiting factor for the rate of photosynthesis.

Artificial lighting can be installed in the greenhouse to provide constant light energy and prevent light intensity being a limiting factor.

A paraffin heater can be used in the greenhouse to not only maintain a suitable temperature, but the by-product of the combustion off the paraffin is carbon dioxide.

Enclosing the crops in a greenhouse and regulating all the conditions in this way can be expensive; however, it is often outweighed because the harvest of the crop is much healthier, faster-grown crops. Furthermore, the enclosed conditions mean that disease and pests can be easily controlled and prevented.

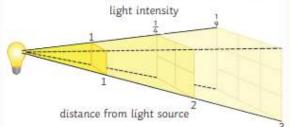
AQA GCSE (Combined Science) Unit 4: Bioenergetics Higher

Respiration

Inverse Square Law and Light Intensity

The **inverse square law** is used to describe the light intensity at different distances from the source.

The inverse square law states that: the intensity of light is inversely proportional to the square distance from the source.



Light intensity is calculated by the following equation:

light intensity $\propto 1$

- The symbol, ∝, means 'is proportional to'.
- Distance is measured in metres, m.

In other words, if an object is moved twice as far away from the light source, the light intensity received is reduced to just one quarter.

Worked example:

If the light source is 10cm from a plant, calculate the light intensity reaching the plant.

1 + (distance²)

- $1 + (0.10 \times 0.10)$
- 1 + 0.01
- = 100 arbitrary units

If the light source is moved 25cm from the plant, calculate the

light intensity reaching the plant.

- 1 + (distance²)
- $1 + (0.25 \times 0.25)$
- 1 + 0.0625

= 16 arbitrary units

Respiration is the chemical reaction which occurs inside the mitochondria of all living cells to release energy for living functions and processes, e.g. movement, warmth and building larger molecules for growth and repair. The reaction is **exothermic**, meaning that energy is released to the surroundings.

Respiration can be either **aerobic** (using oxygen) or **anaerobic** (without using oxygen).

carbon glucose oxygen dioxide water energy C6H12O6 + 6O2 ➡ 6CO2 + 6H2O + ATP

In anaerobic respiration, the glucose is not completely oxidised. This means that there is less energy released than in aerobic respiration.

15	lactic	
glucose	acid	energy
C6H12O6	➡ 2C3H6O3	+ ATP

In plants and yeast, anaerobic respiration makes some different products. The reaction is also called fermentation and is used in bread-making and beer-brewing.

> glucose ethanol dioxide energy C6H12O6 C2H5OH + CO2 + ATP

Effect of Exercise

When a person exercises, their body (specifically their **muscles**) need much more energy. To release more energy, the amount of respiration reactions occurring has to increase.

The heart pumps faster and the breathing rate and breath volume all increase to supply more oxygen to the muscles via the bloodstream.

If the muscles are not receiving enough oxygen to keep up the demand needed by the respiration reactions, then **anaerobic** respiration begins to occur. This incomplete oxidation of the glucose produces **lactic acid**, which can build up in the muscles and results in an **oxygen debt**.

After long periods of exercise, the muscles can become fatigued and stop contracting. You might experience a pain commonly called a **stitch**.

d. This means	Metabolism	Oxygen Debt (HT only)
y rent products. d-making and	 Metabolism is the combination of all the reactions in a cell or in the body. Energy released during respiration is used during metabolic processes to synthesise new molecules: Glucose is converted to starch, glycogen and cellulose. Glycerol and three fatty acids are joined to form a lipid molecule. Glucose and nitrate ions are joined to form amino acids. Amino acids are joined to form proteins. Excess proteins are broken down and released as urea during excretion. Respiration itself is also a process which is included in metabolism. 	During vigorous exercise, the body can begin to carry out anaerobic respiration and produces lactic acid. Lactic acid is transported via the bloodstream to the liver. The liver converts the lactic acid back into glucose. However, oxygen is needed to carry out this reaction. The oxygen debt is the amount of the oxygen required by the body to convert the built-up lactic acid back into glucose and remove it from the respiring cells.

Conservation of Mass	Relative Formula Mass	Calculating Percentage Mass of an Element in a	During a reaction the mass can change. If one of
No atoms can be created or made The relative formulas mass is the		Compound	the reactants is a gas, the mass can go up.
during a chemical reaction, so the	sum of all the relative atomic	percentage mass of an element in a compound =	E.g.
mass of the reactants will equal the	masses of the atoms in the		magnesium + oxygen -> magnesium oxide
mass of the product.	formula.	$A_r \times \frac{\text{number of atoms of that element}}{M_r \text{ of the compound}}$	5 55 5
	Examples:	M _r of the compound	Oxygen from the air is added to the magnesium
Reactions can be shown as a word or	HCL	Find the percentage mass of magnesium in	(making the product) which will be heavier in
symbol equation.	Ar of H = 1	magnesium oxide.	mass.
magnesium + oxygen →	Ar of Cl = 35.5		
magnesium oxide	1 + 35.5 = 36.5	Ar of magnesium = 24 Ar of oxygen = 16	TAI
Mg + O -> MgO		M_r of MgO = 24 + 16	
Symbol equations should also be	H ₂ SO ₄	= 40	
balanced; they should have the same	A. of H = 1	% mass = $\frac{A_r}{M_r} = \frac{16}{40} = 0.4$ 0.4 × 100 = 40%	
number of atoms on each side.	A_r of $S = 32$		
	A_{r} of $Q = 16$	ACTIVIT 1	
2Mg + O ₂ → 2MgO	(1 × 2) + 32 + (16 × 4)		If one of the products is a gas, the mass can go
	2 + 32 + 64 = 98		down.
	2 . 52 . 04 - 70		E.g.
Concentration of Solutions		Conservation of Mass	sodium carbonate - sodium oxide + carbon
Concentration is the amount of a subs	tance in a specific volume	Show that mass is conserved in a reaction. dioxide	
of a solution. The more substance that			
concentrated the solution is.	MG	2Mg + O₂ → 2MgO	When sodium carbonate is thermally
		$(2 \times 24) + (2 \times 16) \rightarrow 2(24 + 16)$	decomposed, carbon dioxide gas is produced and
It is possible to calculate the concentra	ation of a solution with the	48 + 32 → 2 × 40	released into the atmosphere.
following equation:		80 → 80	1
concentration (g/dm ³) = mass (g) + volume of solvent (dm ³)		Total M, on the left-hand side of the equation is	
		the same as the M _r on the right-hand side.	
The equation can be rearranged to find	the mass of the dissolved		
substance: mass (g) = concentration (g/dm³) × volume (dm³)		Calculate the mass of the product.	2 9
mass (g) = concentration (g/dm³) × vo	tunte (unt)	8g of magnesium reacts with 6g of oxygen:	

Chemistry

AQA GCSE Chemistry (Combin	ed Science) Unit 5.3: Q	uantitative Chemistry Knowledge O	rganiser - Higher
Conservation of Mass No atoms can be created or made during a chemical reaction, so the mass of the reactants will equal the mass of the product. Reactions can be shown as a word or symbol equation. magnesium + oxygen \rightarrow magnesium oxide Mg + O \rightarrow MgO Symbol equations should also be balanced; they should have the same number of atoms on each side. 2Mg + O ₂ \rightarrow 2MgO	Relative Formula Mass The relative formula mass (M _r) is the sum of all the relative atomic masses (A _r) of the atoms in the formula. Examples: HCl A _r of H = 1 A _r of Cl = 35.5 M _r of HCI = 1 + 35.5 = 36.5 H ₂ SO ₄ A _r of H = 1 A _r of S = 32 A _r of O = 16 M _r of H ₂ SO ₄ = (1 × 2) + 32 + (16 × 4) M _r of H ₂ SO ₄ = 2 + 32 + 64 M _r of H ₂ SO ₄ = 98	Calculating Percentage Mass of an Element in a Compound percentage mass of an element in a compound = $A_r \times \frac{number \text{ of atoms of that element}}{M_r \text{ of the compound}}$ Find the percentage mass of oxygen in magnesium oxide. A_r of magnesium = 24 A_r of oxygen = 16 M_r of MgO = 24 + 16 = 40 % mass = $\frac{A_r}{M_r} = \frac{16}{40} = 0.4$ 0.4 × 100 = 40% Conservation of Mass Show that mass is conserved in a reaction.	During a reaction the mass can change. If one of the reactants is a gas, the mass can go up. E.g. magnesium + oxygen → magnesium oxide Oxygen from the air is added to the magnesium (making the product) which will be heavier in mass. If one of the products is a gas, the mass can go down. E.g. sodium carbonate → sodium oxide + carbon dioxide When sodium carbonate is thermally decomposed,
Concentration of Solutions Concentration is the amount of a substance in a specific volume of a solution. The more substance that is dissolved, then the more concentrated the solution is. It is possible to calculate the concentration of a solution with the following equation: concentration (g/dm ³) = mass (g) ÷ volume of solvent (dm ³) The equation can be rearranged to find the mass of the dissolved substance: mass (g) = concentration (g/dm ³) × volume (dm ³)		$2Mg + O_2 \rightarrow 2MgO$ $(2 \times 24) + (2 \times 16) \rightarrow 2(24 + 16)$ $48 + 32 \rightarrow 2 \times 40$ $80 \rightarrow 80$ Total M _r on the left-hand side of the equation is the same as the M _r on the right-hand side. Calculate the mass of the product. 6g of magnesium reacts with 4g of oxygen: 6 + 4 = 10g of magnesium oxide	carbon dioxide gas is produced and released into the atmosphere.

The Mole

The Avogadro constant, 6.02×10^{23} , is the number of molecules of a substance that make up one mole of that substance.

Iron has an A, of 56, so 1 mole of iron has a mass of 56g.

Oxygen (O₂) gas has an M, of 32, so 1 mole of oxygen has a mass of 32g. Ammonia (NH₃) has an M_r of 17, so 1 mole of ammonia has a mass of 17g.

number of moles = mass in g (of an element or compound)

Mr (of the element or compound)

Moles and Equations

Write a balanced symbol equation for the reaction in which 5.6g of iron reacts with 10.65g of chlorine to form iron chloride.

Work out the M, of all the substances.

A, of Fe = 56 and A, of Cl = 35.5

Divide the mass of each substance by its Mr to calculate how many moles of each substance reacted or produced.

moles Fe = 5.6/56 = 0.1

moles Cl = 10.65/35.5 = 0.3

Divide by the smallest number of moles

 $Fe = \underbrace{0.1}_{0.1} = 1 \qquad Cl = \underbrace{0.3}_{0.1} = 3$

Write down the balanced symbol equation.

Fe + 3Cl

Chlorine exists as Cl₂ so the whole thing must be multiplied by 2.

```
2Fe + 3Cl<sub>2</sub> -> 2FeCl<sub>3</sub>
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Limiting Reactions

If one reactant gets used up in a reaction before the other, then the reaction will stop. The reactant that has been used up is limiting.

If you halve the amount of reactant then the amount of product will also be halved.



AQA Combined Science: Physics Topic 2	2 Electricity – Foundation and	Higher
Required Practical Investigating Resistance in a Wire	Equations and Maths Equations	Resistance voltage (V) = current (A) × resistance (Ω)
Independent variable: length of the wire.	Charge: Q = It Potential difference: V = IR	V = IR
Dependent variable: resistance. Control variables: type of metal, diameter of the wire. Conclusion: As the length of the wire increases, the resistance of the wire also increases.	Energy transferred: E = Pt Energy transferred: E = QV Power: P = VI Power: P = I ² R	Graphs of I-V Characteristics for Components in a Circuit 1. Ohmic conductor: the current is directly proportional to the potential difference - it is a straight line (at a constant temperature).
Investigating Series and Parallel Circuits with Resistors		Current
Independent variable: circuit type (series, parallel).	Maths	2. Filament lamp: as the current increases, so does the
Dependent variable: resistance.	1kW = 1000W	temperature. This makes it harder for the current to flow
Control variables : number of resistors, type of power source.	0.5kW = 500W Charge	
Conclusion : Adding resistors in series increases the total resistance of the circuit. In a parallel circuit, the more resistors you add, the smaller the resistance.	Electric current is the flow of electric charge. It only flows when the circuit is complete.	3. Diode: current only flows in one direction. The resistance is very high in the other direction which means no current can flow.
Investigating I-V Relationships in Circuits (Using a filament bulb, ohmic conductor, diode.)	The charge is the current flowing past a point in a given time. Charge is measured in coulombs (C).	Current and Circuit Symbols
Independent variable: potential difference/volts (V).	Calculating Charge	Current: the flow of electrical charge. Potential difference (voltage): the push of electrical charge.
Dependent variable: current (A).	charge flow (C) =	Resistance: slows down the flow of electricity.
Control variable: number of components (e.g. 1 filament bulb, 1 resistor), type of power source.	current (A) × time (s) Q = It	cell closed switchO fuse
Set up the circuits as shown below and measure the current and the potential difference.	1 9 1	resistor — ammeter — A LDR
	potential difference =	battery
لورها رحليا ومنها	current x resistance V (V) = I (A) \times R (Ω)	variable resistor bulb - O- thermistor -
Draw graphs of the results once collected.	I O R	open switch diode

Physics

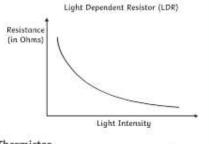
AQA Combined Science: Physics Topic 2 Electricity - Foundation and Higher

Circuit Devices

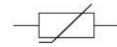
LDR - Light Dependent Resistor

An LDR is dependent on light intensity. In bright light the resistance falls and at night the resistance is higher.

Uses of LDRs: outdoor night lights, burglar detectors.

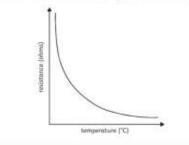


Thermistor



A thermistor is a temperature dependent resistor. If it is hot, then the resistance is less. If it becomes cold, then the resistance increases.

Uses of thermistors: temperature detectors.



Series and Parallel Circuits Series Circuits

Once one of the components is broken then all the components will stop working.

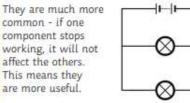
Potential difference - the total p.d. of the supply is shared between all the components. $V_{total} = V_1 + V_2$

Current - wherever the ammeter is placed in a series circuit the reading is the same. I, = I, = I,

Resistance - In a series circuit, the resistance will add up to make the total resistance.



Parallel Circuits



Potential Difference - this is the same for all components.

V, = V,

Current - the total current is the total of all the currents through all the components. $\mathbf{I}_{\text{total}} = \mathbf{I}_1 + \mathbf{I}_2 + \mathbf{I}_3$

Resistance - adding resistance reduces the total resistance.

1. What are Natural Hazards?

occurs.. Destructive margin

4. Effects of Tectonic Hazards

8. Comparing Earthquakes - Nepal and Japan

				The second standards and second standards and second standards and the second standards and the second standards	
Natural hazards are physical events such as earthquakes and volcanoes that have the potential to do damage to humans and property. Hazards include tectonic hazards, tropical storms and forest fires.		Primary effects happen immediately. Secondary effects happen as a result of the primary effects and are therefore often later.		Nepal. 25 April 2015. Magnitude 7.8.	New Zealand 22 Feb 2011 Magnitude 6.3
		Primary - Earthquakes Secondary - Earthquakes		Primary Effects	
What affects hazard risk? Population growth Global climate change Deforestation Wealth - LICs are	 Property and buildings destroyed. People injured or killed. Ports, roads, railways damaged. Pipes (water and gas) and electricity cables broken. 	Business reduced as money spent repairing property. Blocked transport hinders emergency services. Broken gas pipes cause fire. Broken water pipes lead to a lack of	 8841 deaths 23000 injured Over 500,000 homes destroyed Historic buildings including Dharahara Tower fell 26 hospitals and 50% of schools destroyed 181 deaths 181 deaths 2000 people injured. Roads and 180,000 buildings collap 6 storey Canterbury TV building ca and collapsed 		
articularly at risk as	CAR X N		fresh water.	Seconda	ary Effects
money to protect	all the ca	Primary - Volcanoes	Secondary - Volcanoes	 3 million homeless Avalanche on Mount Everest killing 19 people. 	Landslides caused damage to homes Liquefaction caused 400 00 tonnes of silt
themselves 2. Structure of the Earth The earth has 4 layers The core (divided into inner	 Property and farm land destroyed. People and animals killed or injured. Air travel halted due to volcanic ash. Water supplies contaminated. 	injured. services struggle to arrive. anic ash Possible flooding if ice melts Tourism	 Avaianche on Mount Everest klining 19 people. Loss of income from tourism (which was 8.9% of Nepal's GDP). Rice seed stored in homes was ruined as homes collapsed. This caused food shortages. 		
			Immediat	e Responses	
d outer), mantle and ist.	Crue	5. Responses to Tectonic Hazards		Nepal requested international help. UK's DEC raised \$126 million.	Emergency response in place within 2 hours Search and rescue teams sent from across
e crust is split into major	Plates either move towards	Immediate (short term)	Long-term	 Red Cross- tents for 225,000 people. UN and WHO distributed medical supplies to 	the world Bottled water and chemical toilets provided
ections called tectonic each other (destructive margin) away from each other (constructive) or past	margin) away from each	- Issue warnings if possible. - Rescue teams search for survivors. - Treat injured.	 Repair and re-build properties and infrastructure. Improve building regulations Restore utilities. 	the worst districts. • Facebook launched a safety feature so people could indicate they were safe.	 Electricity was restored to 75% of the city within 3 days
ere are 2 types of crust: eanic (thin and younger		- Provide food and shelter, food and		Long term	n responses
it dense) and Continental Id and thicker but less inse).	Constructive margin	drink. - Recover bodies. - Extinguish fires.	Resettle locals elsewhere. Develop opportunities for recovery of economy. Install monitoring technology.	Rebuilding with stricter building regulations World Heritage Sites reopen June 2015. Longer climbing season.	 Demolishing and rebuilding over 10 000 houses All new buildings built as earthquake proof
ese plates move due to nvection currents in the antle and, where they		Unit 1a			bal atmospheric circulation
antie and, where they eet, tectonic activity olcanoes and earthquakes) ccurs	Conservative margin		ge of Natura		equator, the sun's rays are most concentrated. This mo otter. This one fact causes global atmospheric circulatio different latitudes.





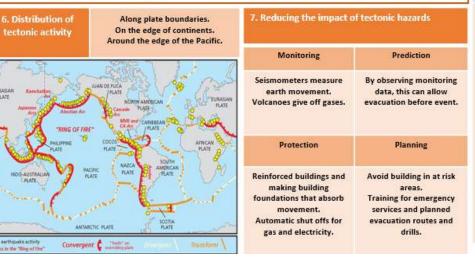
- Constructive margins - Hot magma rises between the plates e.g. Iceland. Forms Shield volcanoes. - Destructive margins - an oceanic plate subducts under a continental plate. Friction causes oceanic plate to melt and pressure forces magma up to form composite volcanoes e.g. the west coast of South America.

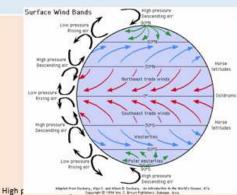
- Constructive margins usually small earthquakes as plates pull apart. - Destructive margins violent earthquakes as pressure builds and is then released.

- Conservative margins plates slide past each other. They catch and then as pressure builds it is released e.g. San Andreas fault.

INDO-AUSTRALIAN

earthquake activity Ans in the "Ring of Fire





Low pressure = wet

As the air heats it rises - causing low pressure. As it cools, it sinks, causing high pressure. Winds move from high pressure to low pressure. They curve because of the Coriolis effect (the turning of the Earth)

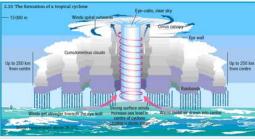
10. Tropical Storms

Occur in low latitudes between 5° and 30° north and south of the equator (in the tropics). Ocean temperature needs to be above 27° C. Happen between summer and autumn.



11. Sequence of a Tropical Storm

- 1. Air is heated above warm tropical oceans.
- 2. Air rises under low pressure conditions.
- Strong winds form as rising air draws in more air and 3. moisture causing torrential rain.
- 4. Air spins due to Coriolis effect around a calm eve of the storm
- 5. Cold air sinks in the eye so it is clear and dry.
- 6. Heat is given off as it cools powering the storm.
- 7. On meeting land, it loses source of heat and moisture so loses power.



Climate change will affect tropical storms too. Warmer oceans will lead to more intense storms - but not necessarily more frequent ones.

18. Extreme weather in the UK



Rain - can cause flooding damaging homes and business. Snow & Ice - causes injuries and disruption to schools and business. Destroys farm crops.

- Hail causes damage to property and crops.
- Drought limited water supply can damage crops.

Wind - damage to property and damage to trees potentially leading to injury.

Thunderstorms - lightening can cause fires or even death. Heat waves - causes breathing difficulties and can disrupt travel.

UK weather is getting more extreme due to climate change. Temperatures are more extreme and rain is more frequent and intense leading to more flooding events. Since 1980 average temperature has increased 1 degree and winter rainfall has increased.

and the second	1954) - 1957 - 1968	9-58 -540 - 57 ⁰			
12. Typhoon Haiyan, Ph	nilippines, 2-	11 Novembe	2013		
Primary Effects		S	econdary Effects		
 5m Storm Surge 90% buildings in Tacle destroyed - 130,000 h 	314 km/hr wind speeds.		on of damage upply polluted on homeless usable for supplies meant army flown into capital) to restore order æs went up by 20%		
Immediate Respo		Lon	g-term Responses		
 1,069 emergency shelters set up in public buildings. Disaster Emergency Committee helped 3,316,500 people outside these centres by providing aid. UK aid charities provided shelter, food and medical supplies. 		 UN appeal raised \$300 million. Typhoon warning systems have been improved. People are now better educated about how to respond. 			
Prediction	Plar	nning	Protection		
Monitoring wind patterns allows path to be predicted. Use of satellites to monitor path to allow evacuation	ar Emerge	ing in high risk eas ncy drills ion routes	Reinforced buildings and stilts to make safe Flood defences e.g. levees and sea walls Replanting Mangroves		
	Winter Storr	ms of 2013-14	Fload		
12 storms in one winter. Wettest winter since 1910. Rainfall 165% of UK average – 545mm. Lowest winter temp for 50 years (-7.7°c)					
	Social	Effects	<u></u>		
2 deaths in the South West of England					

In Norfolk, 7 houses collapsed into the sea due to coastal erosion. Over 100,000 homes in Scotland were without power for 5 days.

The railway line at Dawlish was damaged on 4th Feb 2014 and closed for 2 month Household bills soared as night-time temperatures plummeted. Farmers reported a loss of £600 million worth of crops due to flooding Scotland's ski industry boomed with a 150% increase in tourism.

Management strategies

Met Office issued weather warning Environment agency issued flood warning Soldiers took supplies to remote areas Schools closed homes. M48 Severn Bridge was closed Hospitals and emergency services were put on

high alert. Airports rerouted flights.

14. Climate Change – natural or human?

Evidence for climate change shows changes before humans were on the planet. So some of it must be natural. However, the rate of change since the 1970s is unprecedented. Humans are responsible – despite what Mr Trump says!

Human

- Fossil fuels - release carbon

dioxide with accounts for 50%

- Agriculture - accounts for

around 20% of greenhouse

production from cows etc.

demand for met and rice

increase contribution.

Larger populations and growing

- Deforestation - logging and

increases carbon dioxide in the

atmosphere and reduces ability

Environmental

- Increased drought in

Mediterranean region.

- Lower rainfall causes

orangutans in Borneo

- Sea level rise leads

- Ice melts threaten

food shortages for

and Indonesia.

to flooding and

coastal erosion.

habitats of polar

clearing land for agriculture

to planet to absorb carbon

through photosynthesis.

of greenhouse gases.

gases due to methane

15. Causes

Natural - Orbital changes - The sun's energy on the Earth's surface changes as the Earth's orbit is elliptical its axis is tilted on an angle. - Solar Output sunspots increase to a maximum every 11 vears. - Volcanic activity volcanic aerosols reflect

sunlight away reducing global temperatures temporarily.

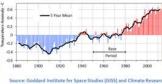
17. Effects of Climate Change

Social - Increased disease eg. skin cancer and heat stroke. - Winter deaths decrease with milder winters. - Crop yields affected by up to 12% in South America but will increase in Northern Europe but will need more irrigation. - Less ice in Arctic Ocean increases shipping and extraction of oil and gas reserves. - Droughts reduce food and water supply in sub-Saharan Africa. Water scarcity in South and South East UK. - Increased flood risk. 70% of Asia is at risk of increased flooding - Declining fish in some areas

bears. - Warmer rivers affect marine wildlife. - Forests in North America may experience more pests, disease and forest fires.

- Increased extreme weather - Coral bleaching and decline in biodiversity.

Global Temperature, 1880 - 2014 Land - Ocean Index: 1951-1980 Base



Joit (CRUI, prepared by Proces nds.com, updated by globalis 16. Evidence for Climate Change

The Met Office has reliable climate evidence since 1914 - but we can tell what happened before that using several methods.

Ice and Sediment Cores

- Ice sheets are made up of layers of snow, one per year. Gases trapped in lavers of ice can be analysed. Ice cores from Antarctica show changes over the last 400 000 years. - Remains of organisms found in cores from the ocean floor can by traced back 5 million years.

Pollen Analysis

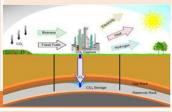
Pollen is preserved in sediment. Different species need different climatic conditions.



- A tree grows one new ring each year. Rings are thicker in warm, wet conditions - This gives us reliable evidence for the last 10 000 years.

Temperature Records

- Historical records date back to the 1850s. Historical records also tell us about harvest and weather reports.



Adaption

- Changes in agricultural systems need to react to changing rainfall and temperature patterns and threat of disease and pests.

- Managing water supplies eg. by installing water efficient devices and increasing supply through desalination plants.
- Reducing risk from rising sea levels would involve constructing defences such as the Thames Flood Barrier or restoring mangrove forests, or raising buildings on stilts.

Economic Effects

410 Gatwick Airport closed on 23rd and 24th Dec due to the flooding of the River Mo

Environmental impacts

Over 4000 cattle had to be evacuated from flooded fields in Somerset.

Thames Barrier was closed to protect 200,000

- Alternative energy production will reduce CO₂ production.

Managing Climate Change

- Planting Trees - helps to remove carbon dioxide. Carbon Capture – takes carbon dioxide from emission sources is stored underground.

Mitigation

- International Agreements e.g. the Paris Climate Agreement.

- affect diet and jobs.
 - Skiing industry in Alps threatened.

HITLER'S EARLY LIFE AND WORLD WAR ONE

- Hitler was originally from Austria
- He spent time in Vienna and was homeless
- Travelled to Munich in Germany and joined the German army
- Served as a messenger
- Won the Iron Cross during World War One
- Was gassed near the end of the war
- Spies on extremist parties for the army after the war. Meets Anton Drexler of the German Workers Party (DAP) and discovers a talent for public speaking. Forms the Nazi Party (NSDAP)



THE BAMBERG CONFERENCE (1926)

- Hitler calls the meeting to unite the party
- The Nazi party is divided between the more socialist north and the more nationalist south
- Otto Strasser represents the north
- Hitler speaks at length and unites the party
- Hitler impresses Josef Goebbels who had originally sided with Strasser.
- The party is united after the Bamberg Conference.

NAZI IDEAS (THE 25 POINT PROGRAM)

The Nazi party program originally had 25 key ideas. Some of the key Nazi ideas were

- Cancellation of the Treaty of Versailles
- Lebensraum
- No democracy-one strong Fuhrer or leader
- Nationalism
- A strong Germany
- End reparations
- Anti-Semitism
- Helping poor farmers and shopkeepers
- Anti-big business

THE MUNICH PUTSCH (1923)

Positives:	Negatives:
Hitler became famous	The army stopped
Nazi ideas became well	putsch
known	16 Nazis were kill
Hitler received a lenient	The Nazis party w
sentence of 5 years and only served 9 months	leaderless once Hi was imprisoned
Hitler realised he would	
need to present himself	
as a legal politician	

the led vas itler



PAPER 3 WEIMAR AND NAZI GERMANY: KNOWLEDGE ORGANISER KEY TOPIC 2-HITLER'S RISE TO POWER, 1919-33

WHY DID THE NAZI PARTY GROW AND SUPPORT INCREASE?

1929-Wall Street Crash, US loans are recalled and this plunges Germany into economic depression

Support for the Nazis increases during times of economic hardship

6 million Germans are unemployed

Nazi propaganda promises 'work, freedom and bread'

Middle class Germans are radicalised and begin to support extremist groups like the Nazis

HOW DID HITLER BECOME CHANCELLOR IN1933?

- Hitler was an excellent speaker
- The Nazis were skilled at propaganda and used posters, radio and slogans
- The SA intimidated political enemies liked the communists and used violence. The SA was led by Ernst Rohm and numbered 2 million men
- The Nazis targeted groups liked the young, unemployed and farmers
- Hitler was not voted into power. Von Papen persuaded President Hindenburg to make Hitler Chancellor hoping they could control Hitler

KEY INDIVIDUALS:							
Person	Key details:						
Anton Drexler	Leader of the German Workers Party (DAP) which Hitler transformed into the Nazi Party.						
Josef Goebbels	Took Strasser's side but began supporting Hitler during the Bamberg Conference.						
President Hindenburg	President of Weimar Germany from 1926. Persuaded to allow Hitler to become Chancellor by Franz Von Papen.						
Adolf Hitler	Leader of the Nazi Party. Leader at the Munich Putsch. Imprisoned at Lansberg. Became Chancellor in 1933.						
Ernst Rohm	Leader of the Nazis paramilitary brown shirts known as the Stormtroopers or SA.						
Otto Strasser	Nazi who represented the north at the Bamberg Conference.						
Franz Von Papen	Weimar Chancellor. Came to an agreement with Hitler. Thought he could control Hitler. Persuaded Hindenburg to allow Hitler to become Chancellor in 1933.						

KEYWORDS:							
Keywords	Definition						
Anti-Semitism	Very popular theory at the time blaming Jews for Germany and the world's problems.						
Bamberg Conference	1926 meeting where Hitler united the Nazi party after coming out of prison.						
Lebensraum	Key Nazi idea about expanding Germany and the need for 'living space' in the East.						
Legal Hitler	Nickname given to Hitler after coming out of Landsberg prison. Hitler realised he would need to present himself as a legal and respectable politician.						
Munich Putsch	Hitler's failed 1923 attempt to seize power.						
Nationalism	Pride and love for your country. Nationalism was another key Nazi idea.						
SA	Also known as the Stormtroopers or Brown Shirts. The 2 million strong Nazi army led by Ernst Rohm.						
Wall Street Crash	Economic crash that happened in America and caused a world-wide Great Depression. Led to 6 million being unemployed by 1933 in Germany.						

KNOWLEDGE CHECKER:

Required knowledge	R	A	G
Hitler's early career: joining the German Workers' Party and setting up the Nazi Party, 1919–20.	0-0		
The early growth and features of the Party. The Twenty-Five Point Programme. The role of the SA.			ĵ.
The reasons for, events and consequences of the Munich Putsch.			U.
Reasons for limited support for the Nazi Party, 1924–28. Party reorganisation and Mein Kampf. The Bamberg Conference of 1926.	8-8		
The growth of unemployment – its causes and impact. The failure of successive Weimar governments to deal with unemployment from 1929 to January 1933. The growth of support for the Communist Party.			1
Reasons for the growth in support for the Nazi Party, including the appeal of Hitler and the Nazis, the effects of propaganda and the work of the SA.			
Political developments in 1932. The roles of Hindenburg, Brüning, von Papen and von Schleicher.			
The part played by Hindenburg and von Papen in Hitler becoming Chancellor in 1933.			Ĩ

ime phrases verb	Food			Verb form (past) Cor	nplement	
D'habitude (<u>Usually)</u> Normalement e matin (<i>in the <u>morning</u></i>) je mange e soir (<i>in the <u>evening</u>)</i>	du	café (coffee) You use thé (tea) to say's raisin (grapes) de + le- jambon (ham) de + la- just afte riz (rice) just use thon (tuna) Je nem	→ du $de + l' \rightarrow de l'$ → $de la$ $de + les \rightarrow des$ er a negative, or with containers and quantities,	(I have just celebrated)le nJ'ai fêtéles(I have celebrated)les	n anniversaire (my birthday) mariage (wedding) de ma sœur. noces d'argent (25th wedding anniver fiançailles (engagement) de mon frèro naissance (birth) de ma nièce. Verb on mange (we eat)	
A chaque repas je <u>bois</u> <i>at every meal</i>) Au petit-déjeuner, for breakfast) Au déjeuner, je <u>prends</u> <i>for lunch</i>) Au goûter, <i>at snack time</i>) Au dîner, <i>for dinner</i>) Comme dessert, <i>for pudding</i>)	de la de l' des un	confiture (jam) salade (lettuce) pizza eau abricots pommes (apples) biscuits céréales oeufs (eggs) champignons (mushrooms) pâtes (pasta) saucisses (sausages) fraises (strawberries) fruit yaourt	The irregular vertes boire and prendre Page 200 The irregular vertes boire and prendre (to take)* je bois je prends tu bois tu prends it/elle/on boit ik/elle/on prend nous buvons nous prenons vous buvors its/elles boivent its/elles prennent its/elles boivent its/elles prendre with food or drink, to mean frave: Parfols, je prends du pain grillé. Sometimes, I have toast.	À Noël (at Christmas) Pour le réveillon (for Xmas eve) Au Nouvel An (for New Year's day) À Pâques (at Easter) Pour la <u>Chandeleur (at Candlemas)</u> Pour le Mardi-gras Pour la fête des Rois (for <u>Twelfth nigh</u> Pour la fête des mères/pères (for <u>Mothers'/Fathers' day</u>) Pour mon anniversaire (for my birthday	on chante (<u>we sing</u>) on joue (<u>we play</u>)	du champagne la famille/les amis/les voisins (neighbours) une fête (<u>a</u> party) un grand repas (<u>a</u> big meal) le sapin (the <u>Xmas tree</u>) la salle à manger (the <u>dining</u> room) de la musique toute la nuit (all night long) des chants de Noël (<u>Xmas carols</u>) à l'église (<u>at church</u>) des jeux de société (<u>board games</u>)

Time expressions	Vocabulaire
jour (m)	day
journée (f)	(the whole) day
pendant	during/for
de bonne heure; tôt	early
soir (m)	evening
tous les jours	every day
de temps en temp	s from time to time
heure (f)	hour /time
plus tard	later
maintenant	now
demain	tomorrow
semaine (f)	week

Time structure	Modal verb	Daily routine action
Les jours d'école (on school days)	je <u>peux (I can)</u> <u>tu peux (you can)</u> il <u>peut (he can)</u>	(se) lever <u>tôt</u> /tard (<i>get up early/late)</i> rester au lit (<i>stay in bed</i>)
Le week-end (at the weekend)	elle peut (she can) on peut (we can)	faire la grasse matinée (have a lie-in)
ut the weekenuj	nous pouvons (we can)	faire les devoirs (do homework)
Le <u>soir</u>	vous pouvez (you can) ils peuvent (they can)	(se) <u>détendre (to relax)</u>
(in the evening)	elles peuvent (they can)	sortir avec (les) copains (go out with friends)
Le <u>samedi</u> après-midi		aider (les) parents (help parents)
(on Saturday afternoon)		retrouver (les) copains (meet up with friends)
<u>Tous les jours</u>	je <u>dois (I must)</u> tu dois (you must)	bavarder (chat)
(everyday)	il doit (he must)	rigoler (laugh)
Le <u>dimanche</u>	elle doit (she must) on doit (we must)	(se) retrouver en ligne (meet up online)
(on Sundays)	nous devons (we must)	regarder la télé (watch TV)
Pendant la <u>semaine</u>	vous devez (you must) ils doivent (they must)	manger avec la famille (eat with family)
(during the week)	elles doivent (they must)	faire du sport (do sport)

MFL

— French

Noun				0	- 1			
la plage (the beach)		G Prepos	itions	Verb	Noun	Modal verb/impersona expression	Activit	y (infinitive)
le port (the harbour)		dans	in		8 0		21. 100 Ma	
le centre commercial (the shopp	oing centre	e) derrière	behind				nager (swim)	
le musée (the <u>museum</u>)		devant	in front of		c'est l'été (it is the summe		faire les courses (c	
le marché (<i>the <u>market</u></i>)		entre	between		c'est l'hiver <u>(it is the winte</u>		faire du <u>patin</u> a gla	ace (do ice-skating)
le stade (the stadium)		en face de	opposite				faire un pique-nig	
la piscine (the swimming-pool)		à côté de près de	next to near	Quand	il fait beau (it is nice weat	her) on peut	aller à la pêche (ge	
le centre sportif (the sports cer	ntre)	and the second sec	I, e.g. en face du cinéma	(when)		(you can)	faire des randonne	
le centre nautique (the water sport	ts centre)		les, e.g. près des magasins	A A A A A A A A A A A A A A A A A A A	(it is bad weather)		se baigner (swim/	
la patinoire (the ice-rink)		ac its its	es, c.g. pres des magasins		il fait chaud (it is hot)		faire de la voile (d	
la pharmacie (<i>the <u>chemist</u></i>)		Ve	rbs (present)	>	il fait froid (<i>it is cold</i>)		faire de la planche	à voile <i>(go</i>
la boulangerie (the bakery)		C'est	It is				windsurfing) se détendre (relax	•)
la boîte de nuit <i>(the nightclub)</i> la bibliothèque <i>(the library)</i>		Ils/elles so	ont They are	Si/s'	il y a du soleil (<u>it is sunny</u>)	il est possible	faire du vélo (do c	
le château <i>(the castle)</i>		Ilya	There is/are	(if)	il y a du vent (<u>it is windy</u>)	de/d'	faire du VTT (do m	
le jardin public (the park)		Je suis	I am		il y a du brouillard (it is foggy)	(it is possible to)	faire du cheval (go faire de l'équitatio	
le magasin (the shop)		J'ai	I have	1	(11 15 10000)		se bronzer (sunba	
la gare (the train station)		Je vais	I am going/I go	1			se promener (go f	
la gare routière (the bus station		Je fais	I am doing/I do	1	il pleut (<u>it rains</u>)		visiter les musées	
le commissariat (the police star	and the second se	To mulfi			il neige <u>(it snows</u>)			
l'hôtel de ville/la mairie (the to	wn hall)			-				
l'église (the church)		On peut	You can		-d			
(Dis)advantages expressions	Verb	Negatives/adverbs	Noun		Verbs (reference	10.00		ce to the future
		pas de/d' <i>no</i> jamais de/d' <u>never</u>	<pre>magasin(s) shop(s) iardin(s) public(s) park(s)</pre>		C'était	It was	Ce sera	It will be
	il n' y a	-	zone piétonne pedestrian zo	ne	Il y avait	There was/were	Il y aura	There will be
L'inconvénient, c'est qu'	<u></u>	aucun(e) not a single	aire de jeux play area		J'étais	I was	Je serai	I will be
The disadvantage is that		ni(ni) neithernor	cinéma		J'avais	I had	J'aurai	I will have
Le pire, <u>c'est qu'</u>		<u>qu'un(</u> e) only	piscine		Je suis allé(e)	I went	J'irai	I will go
<i>The worst is that</i> Ce que <u>i'aime</u> le <u>moins</u> , <u>c'est qu'</u>					J'ai fait	I did	Je ferai	I will do
What I like the least is that			pour les jeunes for young pe	anla	Je voulais	I wanted	Je voudrais	I would like
		personne. Nobody	pour les touristes	opie	J'aimais	I loved	Je veux	I want
L'avantage, c'est qu'	there is		pour les personnes âgées		Opinio	ns	Conn	ectives
The advantage is that		rien nothing	for the elderly		À mon avis	In my opinion	Mais	But
Le <u>mieux, c'est qu</u> '			circulation/voitures traffic/o	cars	Je pense que	I think that	Aussi	Also
The best is that			monde/gens people		Selon moi	According to me	Cependant	However
Ce que <u>i'aime</u> le plus, <u>c'est qu'</u> What I like the most is that		beaucoup de	bruit noise		Personnellement	Personally	Parce que/car	Because
				nment				
	ilva	a lot of	divertissement(s) entertain		Adver	bs	D	etail
	<u>il</u> y a	<u>tellement</u> de	chômage/travail			Inclusion of the		
	<u>il</u> ya				très	very	Par exemple	For example
	<u>il</u> ya	tellement de so many peu de few	chômage/travail unemployment/work déchets litter commerces shops		très assez	very quite	Par exemple Surtout	For example Above all
	<u>il</u> ya	tellement de so many peu de	chômage/travail unemployment/work déchets litter		très	very	Par exemple	For example

19

What would your ideal friend/ boyfriend/ girlfriend be like?

Describe yourself or a member of your family.

Meine ideale Fr wäre My ideal (female would be		abenteuerlustig adventurous freundlich friendly sympathisch likable intelligent kreativ creative locker relaxed lustig funny modisch fashionable nett kind originell original selbstbewusst confident unterhaltsam entertaining sportlich sporty hilfsbereit helpful ehrlich honest	und sie hätte and she would have	viel Geduld. a lot of patience immer Zeit für mic always time for me		Ich bin Du bist Er/sie/es ist Wir sind Ihr seid Sie/sie sind Mein Vater ist Mein Stiefvater ist Mein (Halb)brude Mein Onkel ist Mein Großvater is Meine Mutter ist Meine Mutter ist Meine Mutter ist Meine Großmutte Meine Großmutte Meine Oma ist Aussehen - 1	r ist my (half)br my uncle is t my grandad i my grandad i my mother/n ist my stepmu ester ist my (ha my aunt is r ist my grandm my grandm	d is other is s s num is m is lf)sister is a is	total unglaublich sehr ziemlich ganz ein bisschen nicht so nicht gar nicht	totally incredi very quite a bit not so not not at al		fleißig freundlich hilfsbereit höflich nett geduldig kreativ ruhig musikalisch sportlich sympathisch dumm faul langweilig launisch laut unfreundlich	hard-working friendly ready to help polite nice patient creative calm musical sporty likeable stupid lazy boring moody loud unfriendly
Mein idealer Freund würde	always mo	er zum Lachen bringen. ake me laugh. fen, wenn ich Probleme hat	Das ist für mich For me that is	total totally unglaublich incredibly sehr very	wichtig. important wichtiger.	Ich bin I am	total unglaublich sehr	totally incredibly very			und ich and I		blaue Augen blue eyes grüne Augen green eyes
My ideal (male) friend	Concerns Streamers and and	nen I have problems.		ziemlich quite ein bisschen a bit nicht so not so	more important am	Meine Mutter ist My mother is	ziemlich ganz ein bisschen	quite quite a bit	klein smal groß tall weder klein, noch		und si and sh		braune Augen brown eyes schwarze Haare black hair blonde Haare blonde hair
would	never ann			nicht not gar nicht not at all	wichtigsten. most important	Mein Bruder ist My brother is	nicht so nicht gar nicht	not so not not at all	neither small no	or big	und e and h		lockige Haare curly hair glatte Haare straight hair lange Haare long hair

	,weil/da er/sie	gegen Gewalt against		Subject + verb	Direct object	quantifier	adjective
,obwohl er/sie although he/shesowohl berühmt als auch intelligent both famous and intelligentist. is.Ghandi/ Meine Mutter (usw) ist mein grosses Vorbild X is my big role model,weil/da sie because they ,obwohl sie although theyso ein toller Sportler such a great sportsperson oberflächlich superficial beeindrukend impressive eine Inspiration für uns an inspiration for usist. is.		intelligent both famous and intelligent	110-2010/02	Ich finde I find	meine Familie my family meinen Vater my father/dad meinen Stiefvater my stepdad	total totally unglaublich incredibly sehr very ziemlich quite	un/freundlich un/ friendly höflich polite nett nice geduldig patient
		meinen Onkel my (half)brother meinen Onkel my uncle meinen Großvater my grandad meinen Opa my grandad meine Mutter my mother/mum meine Stiefmutter my stepmum meine (Halb)schwester my (half)sister	ganz quite ein bisschen a bit nicht so not so nicht not gar nicht not at all	interessant interesting kreativ creative ruhig calm musikalisch musical			
Ich habe kein Vorbild I don't have a role model ich bewundere X I admire X	mabe kein Vorbild ,weil/da er/sie mich inspirier. inspires me. n't have a role model because he/she supports people in need. ,obwohl er/sie although he/she für soziale Problem interessiert.	Ich komme sut r	meine (rans)schwester my (nansister meine Tante my aunt meine Großmutter my grandma meine Oma my grandma	ut mit	faul lazy langweilig boring launisch moody laut loud		
i aamire x	,weil/da sie mich inspirieren. inspires me. because they Menschen in Not unterstützen. ,obwohl sie supports people in need. although they für soziale Problem interessieren.		meiner Familie I get on well with Ich komme nicht nicht gut mit me I do not get on w	my family gut mit meiner Familie aus/ Ich verstehe m	000000000000	ich sie lustig finde. I find them funny. ich sie nervig finde. I find them annoying. mein Bruder mich genervt hat. my sister annoyed me.	
Ich finde ihn/sie/sie beeindrucken Ich habe vor ihm/ihr/ihnen viel Re ich bewundere ihn/sie/sie/sie / admir	espekt I have a lot of respect fo			I argued with my Ich habe mit me I argued with my	family yesterday inem Vater/Bruder gestritten	/ith my	mein Vater keine Geduld hat. my father has no patience. meine Schwester mein T-shirt gestohlen ha my sister stole my t-shirt.

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what ald you	do last weekend?				what are	you goir	ng to do next we	eekenut		Part 2	L
bin ich (am) itztes ichenende ist eekend eulich iecently ilezten recent eeks i (have)	Rad gefahren cycled spazieren gegangen went for a walk ins Freibad gegangen went to the outdoor pool in die Kirche gegangen went to church einkaufen gegangen went shopping im Internet gesuft surfed the internet soziale Netzwerke benutzt used social media Hausaufgaben gemacht did homework Zeit mit meiner Familie verbracht spent time with my family gegrilt had a barbecue Musik gehört listened to music einen Film geguckt saw a film ferngesehen watched tv	 entspannend relaxing toll great eine Zeitverschwendung a waste of time viel Spaß gemacht (was) a lot of fun. nicht so viel Spaß gemacht uwscht log much 	, weil because , da because , obwohl despite	 ich sehr sportlich bin. I am very sporty. ich gern an der frischen Luft bin. I like being in the fresh air. es warm war. it was warm. wir jeden Sonntag in die Kirche gehen. we go to church every Sunday. weil ich ein neues Hemd brauche. because I need a new shirt. ich gern Zeit mit meiner Familie/ meinen Freunden verbringe. I like to spend time with my family/ my friends. wir viel zusammen lachen. we laugh a lot together. Ich zu viele Hausaufgaben habe. I have too much homework. ich nichts zu tun hatte. I didn't have anything to do. 	Nächstes Wochenende Next weekend Bald Soon In kommenden Wochen In the coming weeks	werde ich / will wird mein Bruder my brother will	bestimmt definitely auf jeden Fall definitely wahrscheinlich probably vielleicht maybe nicht not	Rad fahren cycle spazieren gehen go on a walk ins Freibad gehen go to the outdoor pool im Internet surfen surf the internet soziale Netzwerke benutzen use social networks Hausaufgaben machen do homework in die Kirche gehen go to church einkaufen gehen go shopping Zeit mit Familie/Freunden verbringen spend time with family/friends grillen have a barbecue Musik hören listen to music einen Film gucken watch a film	, weil ich das because I (find) that , weil er das because he (finds) that	unterhaltsam entertaining todlangweilig dead boring entspannend relaxing toll great eine Zeitverschwendung a waste of time aufregend Exciting enttäuschend disappointing	finde. find.

What are you going to do next weekend?

Part 2 What were you like when you were younger?

	Rad fahren cycle spazieren gehen go on a walk		unterhaltsamer more entertaining	Als ich jünger war,	war ich sehr lust war ich ziemlich war ich ein bissc	schüchtern.		aber jetzt but now	bin ich eher[insert adjective]. I ammore[insert adjective].
Ich würde gern I would like to Ich würde lieber I would prefer to Ich würde am liebsten Most of all, I would like to Mein Bruder würde gern/lieber am liebsten My brother would like to/prefer	ins Freibad gehen go to the outdoor pool im Internet surfen surf the internet ike to soziale Netzwerke benutzen use social networks te lieber Hausaufgaben machen do homework in die Kirche gehen go to church einkaufen gehen go shopping uder würde gern/lieber Zeit mit Familie/Freunden	, weil das because that	nicht langweilig dead boring entspannend relaxing toll great keine Zeitverschwendung a waste of time aufregend exciting	When I was younger Als ich ein Kind war, As a child Mit (sechs) Jahren, At six years old Früher, Earlier/in the past	war das Leben ziemlich schwer. Life was quite hard. war das Leben viel einfacher. ife was much easier. war meine Mutter oft krank. my mother was often ill. musste ich immer zu Hause helfen. I always had to help at home konnte ich immer/ nie Zeit mit Freunden verbringen. I was always/never able to spend time with friends. durfte ich niemanden nach Hause einladen. I was not allowed to invite anyone home. durfte ich nicht alleine (zur Schule) gehen. I wasn't allowed to go to school alone. durfte ich machen was ich wollte!! was allowed to do what I wanted!			Ich fand das I found that	schade. a shame. sehr schlecht. very bad. toll. great. nicht schlecht. not bad.
to/most of all like to	grillen have a barbecue Musik hören listen to music einen Film gucken watch a film fernsehen watch tv		nicht enttäuschend not disappointing besser better	These days Jetzt	ist es viel besser it is much better ist es nicht so gut it's not so good	, weil because	ich (nicht) mit meinen Freunden a I'm not allowed to go out with my ich um 21 Uhr nach Hause komm I have to come home at 9pm. ich zu viele Hausaufgaben bekom I get too much homework. ich viel für meine Klassenarbeiter I have to learn a lot for my exams.	friends. en muss. me.	



PERSONAL DEVELOPMENT KNOWLEDGE ORGANISER YEAR 10



UNIT 3: RELATIONSHIPS AND SEX EDUCATION

LESSON 8: RELATION SHIPS AND SEX EXPECTATIONS

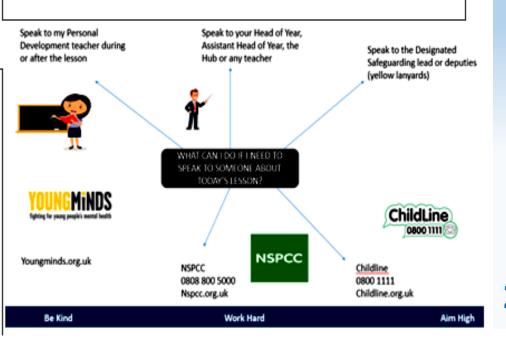
- Harassment means aggressive pressure or intimidation.
- Sexual harassment means behaviour characterized by the making of unwelcome and inappropriate sexual remarks or physical advances in a workplace or other professional or social situation.
- In this lesson we watched a documentary called 'ls this sexual harassment'? and looked at evidence for and against by watching a scenario involving a man and women working together in a bar
- · What relationships behaviours are acceptable?
- What relationship behaviours might constitute sexual harassment?

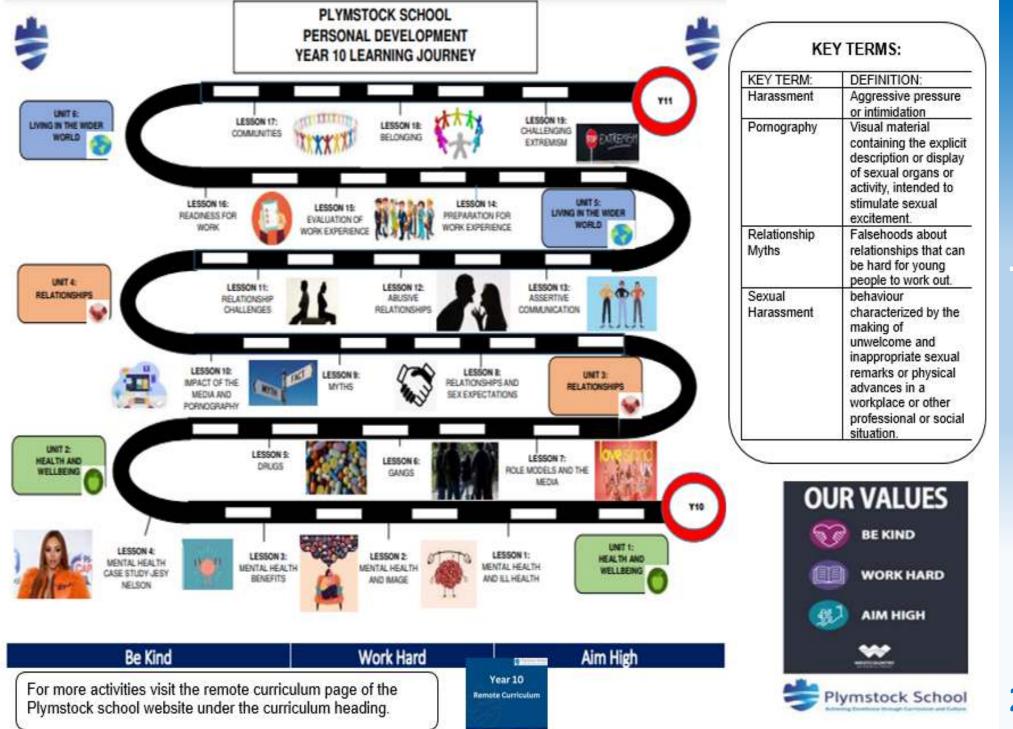
LESSON 10: IMPACT OF THE MEDIA AND PORNOGRAPHY

- Pornography is defined as visual material containing the explicit description or display of sexual organs or activity, intended to stimulate sexual excitement.
- Many young people begin to watch pornography and often discover is online by accident.
- 46% of young people had seen online pornography for the first time because it "just popped up"
- Studies suggest that people who watch pornography feel pressure to do things during sex they don't enjoy; engage in risky sex; believe that male pleasure is the main goal of sex and find intimate and romantic relationships more difficult to maintain.

LESSON 9: RELATION SHIPS MYTHS

- A relationship myth is the belief that certain behaviours may be acceptable when perhaps they are not.
- As we get older and develop relationships we are learning about what is and isn't acceptable all the time.
- What one person is comfortable with in a relationship may be different to another person.
- Would you agree with these relationship values? There shouldn't be any secrets in a committed relationship? It's best to keep things casual? There shouldn't be any arguments in a committed relationship?





Personal Development

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PHILOSOPHY OF RELIGION KNOWLEDGE ORGANISER

The Problem of Evil

Evil in the form of suffering, whether intentional or not, is seen in the world all around us. Many consider the existence of evil to be at odds with the existence of God.

The Problem of Evil is an argument often used by atheists in an <u>attempt to prove</u> <u>that the Christian God doesn't exist</u>. **David Hume**, a notable atheist philosopher, described it as 'the rock of atheism'. It presents the following argument:

If God is **omnipotent** (all-powerful) then he would be able to remove evil from the world, if God is **benevolent** (all-loving) then he would want to remove evil from the world. Yet, evil exists in the form of **natural and moral evil**. Therefore, the Christian God does not exist. Atheists also point to the EXTENT of evil that is found in the world and also evidence of PURPOSELESS evil and suffering where nothing is learnt or gained.

Christians have responded to the problem in a number of ways;

- Evil is the result of human FREE WILL. It is important for humans to have free will so that their actions can be judged and good actions can be rewarded after death.
- Evil and suffering can gave GOOD EFFECTS on people e.g. can allow them to develop good qualities like compassion, bravery and loyalty.
- The DEVIL is responsible for evil as he tempts humans into wrong actions, as seen in the story of <u>Adam and Eve in Genesis</u>.

Religious Experience

Some Christians claim to have experienced God directly. To those who have had a religious experience, this is **the greatest proof that God exists**. Religious

experiences can come in many different forms;

Mystical: A <u>oneness</u> and union with the divine Numinous: Feelings of inner-peace, love and insignificance Conversion: Dramatic <u>change</u> in a person's life Nature: A sense of awe and power behind nature



Vision: Seeing a direct image of God or a divine representative

Corporate: A group of people share the same experience (e.g. the Toronto Blessing)

This may be a persuasive argument for those who have had a religious experience, but such a personal experience is **unlikely to convince an atheist**. Many atheists argue these experiences have alternative explanations.

The Design Argument

Some Christians believe that it is possible to prove the existence of God by **observing the nature of the world we live in**. The world shows signs of ORDER and things working to achieve a PURPOSE. This, they believe, is evidence of DESIGN. In other words, <u>God is the DESIGNER of an</u> ordered and purposeful world.

William Paley supported this argument by way of ANALOGY. He drew a similarity between the world and an old-fashioned pocket watch. He argued that if you went for a walk and stumbled across a pocket watch in a field you would know that;

a) The watch could not have appeared by itself

b) It has been made for the purpose of telling the time

c) A skilful watchmaker must have designed it Similarly he believed that:



d) The world shows evidence of order and purpose e.g. gravity, reproduction of plants, rotation of the planets
d) Therefore the world must be designed
e) God must have designed the world

Paley believed that lots of nature demonstrates ORDER and PURPOSE and that this is EVIDENCE of design in the world.

<u>Problem</u>: If the world is designed by an omnipotent God, then why is there so much evil and suffering in the world?

Keywords

Atheist: someone who has no belief in God or gods Natural Evil: evil and suffering caused by natural forces Moral Evil: evil and suffering caused by human action Analogy: drawing a similarity between two things to make one or both things easier to understand Religious Experience: an encounter with the divine that leaves

the person with knowledge of God's existence

Free Will: the ability to make a choice between good and evil

Can we prove God exists?

PHILOSOPHY OF RELIGION KNOWLEDGE ORGANISER

The Problem of Evil

The Problem of Evil is an argument often used by atheists to prove that God doesn't exist.

The argument is:

- If God is omnipotent (all-powerful) then he would be able to remove evil from the world because he is stronger than evil.
- If God is benevolent (all-loving) then he would want to remove evil because he doesn't anyone to suffer.
- 3. Yet, evil still exists in the world therefore, God cannot not exist.

Christians have responded to the problem in a number of ways;

- Evil is the result of human FREE WILL. It is important for humans to have free will so that their actions can be judged by God.
- Evil and suffering can gave GOOD EFFECTS on people e.g it can make you more understanding towards other
- The DEVIL is responsible for evil as he tempts humans into wrong actions, as seen in the story of <u>Adam and Eve in Genesis</u>.

Religious Experience

Some Christians believe they have experienced God. To those who have had a religious experience, this is **the greatest proof that God exists**.

Religious experiences can come in many different forms; Numinous: Feelings of peaceful Conversion: Amazing <u>change</u> in a person's life Vision: seeing a direct image of God Corporate: A group of people have the same experience (e.g. the Toronto Blessing)



Although some people may believe this is evidence that God exists, atheists do not believed that this is 'evidence'. The argue that these experiences can be explained using science.

The Design Argument

Some Christians believe that it is possible to prove the existence of God by **looking at the world we live in**. The world shows signs of ORDER and PURPOSE and therefore it much have been DESIGNED (made) this way by God.

William Paley supported this argument using an ANALOGY about a pocket watch. He argued that if you went for a walk and stumbled across a pocket watch in a field you would know that;

- a) The watch could not have appeared by itself
- b) It has been made for the purpose of telling the time
- c) A skilful watchmaker must have designed it
- This pocket clock is similar to the world:
- d) The world shows evidence of order and purpose e.g. gravity,
- d) Therefore the world must be designed
- e) God must have designed the world

Problem: If the world is designed by an omnipotent God, then why is there so much evil and suffering in the world?

Keywords

Atheist: someone who does not believe in God Natural Evil: evil caused by nature e.g. earthquakes Moral Evil: evil caused by humans e.g. murder Analogy: making a comparison between two things to something easier to understand Free Will: the ability to make a choice between good and evil

Can we prove God exists?

