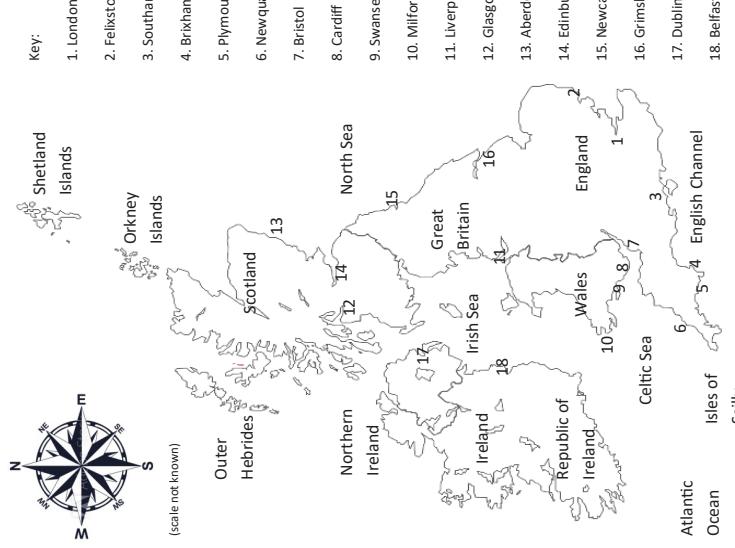
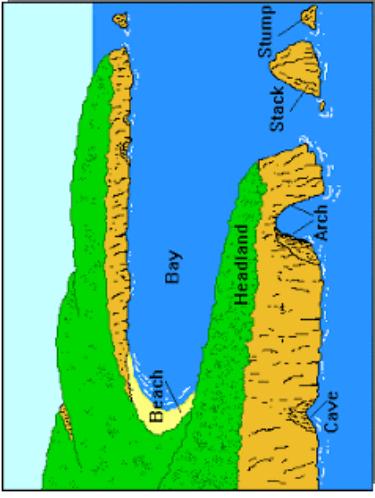


GEOGRAPHY 8.1. COASTS

The British Isles—major coastal locations



3. Coastal Erosion Processes

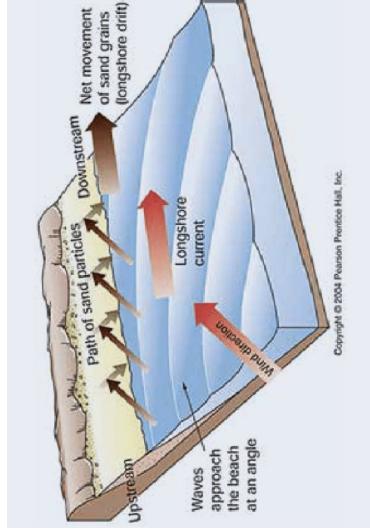


3. Coastal Erosion Features

The break down and transport of rocks – smooth, round and sorted.

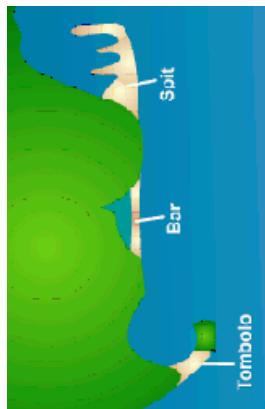
Attrition	Rocks that bash together to become smooth/smaller.
Solution	A chemical reaction that dissolves rocks.
Abrasion	Rocks hurled at the base of a cliff to break pieces apart.
Hydraulic Action	Water enters cracks in the cliff, air compresses, causing the crack to expand.

4. Longshore Drift (LSD) - a transportation process



5. Coastal Deposition features

Deposition features are made at the coast when material (like sand and pebbles) are put down low. Spits often extend out across river mouths, bars connect two headlands and tombolos connect an island to the mainland.



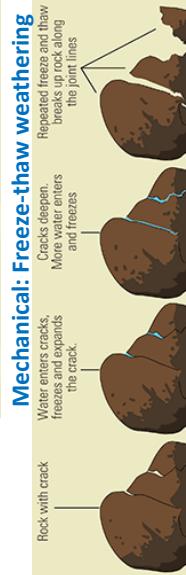
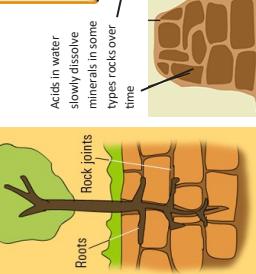
6. Coastal Defences: Hard and Soft Engineering to protect the coast

Hard Engineering	Recurved Sea wall Curved reinforced-concrete wall with a distinct curved face to redirect wave energy out to sea	Groynes Wooden walls built at right-angles to the shore to trap sand and hold the beach in place	Dune fencing Fences placed in dunes to encourage more sand to be trapped to stabilise the dunes—and keep tourists
Soft Engineering	Rock Armour Granite boulders piled up to break up the force of incoming waves	Rock Armour Granite boulders piled up to break up the force of incoming waves	Beach replenishment Dredged sand from offshore is pumped back onto the beach to make the waves break sooner.

2. Weathering processes

Weathering is the weakening of exposed rocks by the atmosphere (temperature and water) or by living organisms such as plants and burrowing animals. Erosion follows weathering at exposed locations such as the coast and mountains.

Mechanical: exfoliation

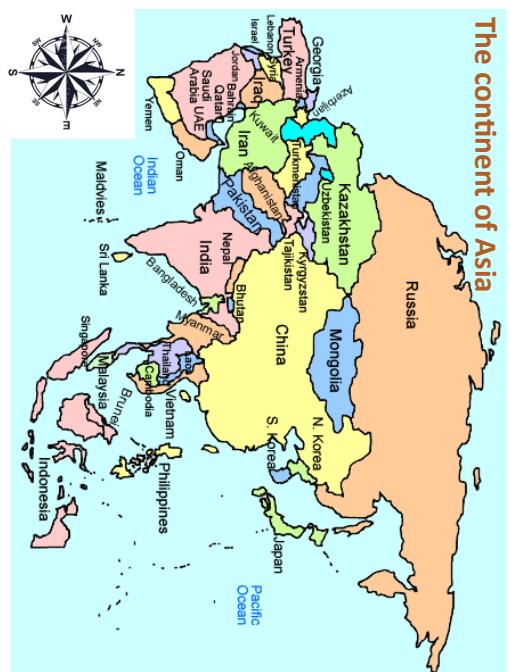


1. Factors involved in making waves:

Fetch	Wind Strength
The amount of open water available for the wind to blow over. Bigger fetch leads to better potential for waves.	The stronger the wind, the greater the potential for waves to form.
Wind direction	The longer the length of time the wind blows for, the more waves can be made.

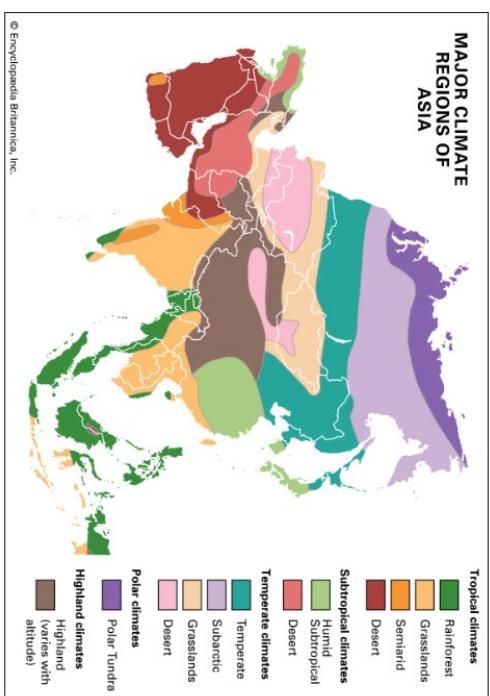
GEOGRAPHY 8.2 Asia Case Study

The continent of Asia

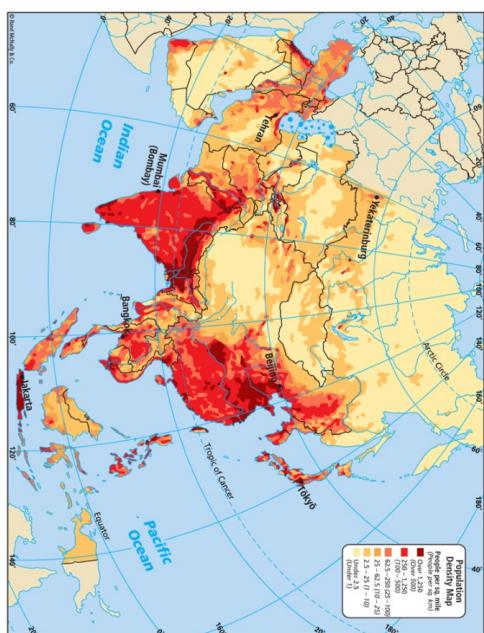


1. Biomes of Asia

Distribution z: Population



4. Climate graph of Delhi , India



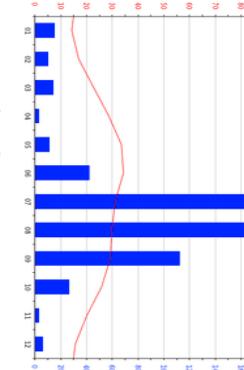
Absolute location	Relative location
<p>Precise facts about place location. You can use continent; the region within the continent; latitude and longitude and reference to the relative size of the location in question. For example, Russia is the largest country in Asia located across the entire northern edge of the continent.</p>	<p>Use neighbouring countries, bodies of water—such as seas and oceans and mountain ranges as references points. Use vocabulary based on compass directions to link to your location. For example, Mongolia is south of Russia and north of China.</p>



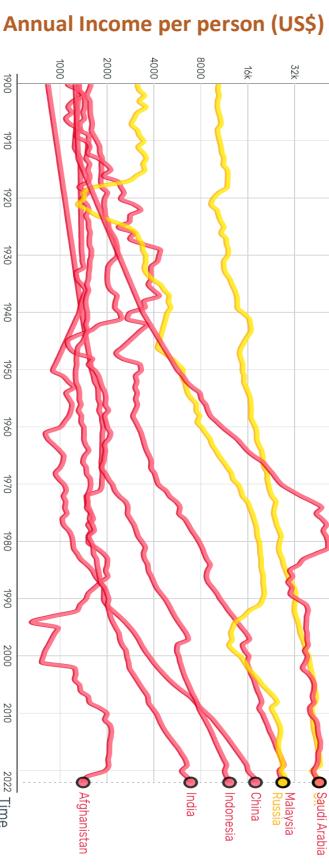
India has many megacities: populations of 10 million or more. There are huge inequalities within such cities in India whereby the very wealthy, all the way down to the homeless, live within the same urban area. The city of Mumbai contains the most expensive home in the world—valued at

5. Rural to Urban Migration

4. Monsoon Seasons The monsoons are seasonal wind patterns that affect many countries in the tropical and sub-tropical regions of the world. In India's case, as the northern hemisphere summer begins, the intense sun heat bakes the country and temperatures can soar into the 40°Cs. The hot air over the country rises—which draws the wind in from over the Indian Ocean to the south. (see red arrows on map to left). The tropical maritime air brings moisture and therefore **heavy rainfall** (see climate graph). As the Autumn sets in, the winds switch direction and the band of heavy rains returns southwards (see green arrows on map), and the **monsoon season ends**.



3. and 6. Development Inequality across Asia since 1900



planned, unregulated squatter settlements that sprawl on the edges of cities or occupy any available space within the city. They are often built in areas threatened by floods, landslides and other hazards. Disease is common due to a lack of sanitation. However, Dharavi slum is also a hive of business activity whereby busy locals are working to create products sold to a combined value of over \$1bn. a year! Education access is improving and this makes Dharavi a beacon of hope whereby the next generation of India doctors



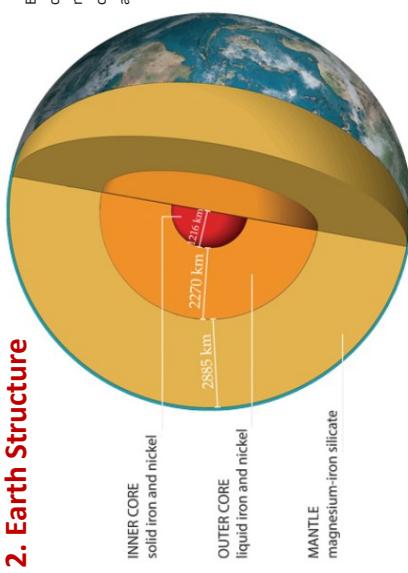
- few services
 - lack of job opportunities
 - unhappy life
 - poor transport links
 - natural disasters
 - wars
 - shortage of food
 - access to services
 - better job opportunities
 - more entertainment facilities
 - better transport links
 - improved living conditions
 - hope for a better way of life
 - family links

Asia has extreme inequality (compared to Europe for example) with some countries still classed as LICs, yet some are successful HICs. Some countries have vast oil wealth—such as Saudi Arabia, whilst others have been devastated by war (Afghanistan). Many Asian countries are making rapid economic progress since the 1980s – with countries like Malaysia, Indonesia, India and especially China (the fastest growing economy of them all); these are the Newly Emerging Economies (NEEs).

GEOGRAPHY 8.3 HAZARDS

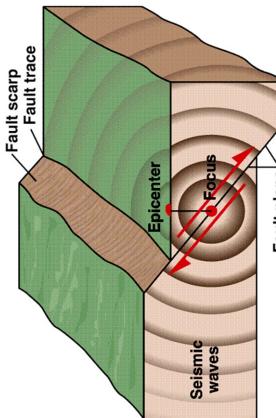
Natural Events

2. Earth Structure



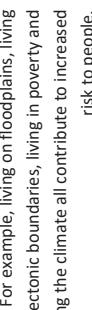
5. Earthquake Concepts

Earthquakes are a violent release of strain energy within the crust of Earth. The constantly churning convection currents in the mantle are responsible for slowly moving the crust around. However, the tectonic plates making up the crust are often being forced together or past each other and get stuck – building up huge amounts of energy; eventually it has to be released!



The Human Factor

The actions and locations of people put them at risk. For example, living on floodplains, living near tectonic boundaries, living in poverty and changing the climate all contribute to increased risk to people.



These natural events just happen in nature:
Volcanic eruption tsunami Blizzard drought
tornado earthquake Tropical storm
wildfire Avalanche mudslide flood

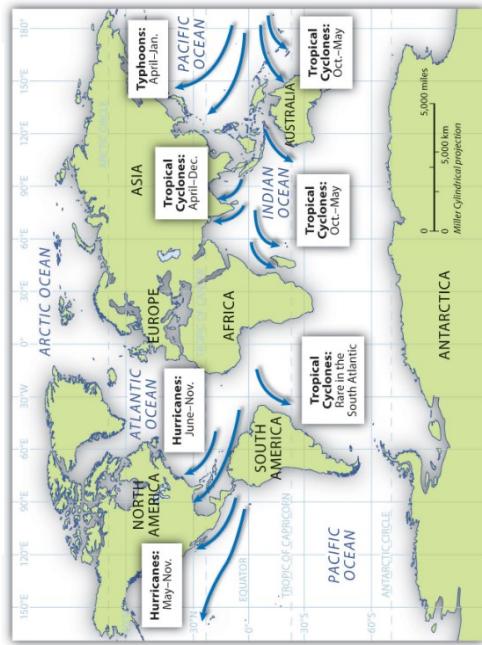
1. Natural Hazards

6. Haiti 2010 earthquake example	13km deep focus	Maximum estimates say around 316,000 were killed	Illnesses in refugee camps	Half of the country's schools affected
	Magnitude 7.0 on Richter scale	Already was the poorest country in western hemisphere.	A local tsunami added to the hazards of the quake	Thousands of orphaned children
	300,000 people injured	Epicentre very close to the capital city Port-au-Prince	1 million made homeless	20% of people lost their jobs as a result
	3 million affected	7 years later in 2017, there are still 2.5M in need of aid	\$3.1Bn raised in international aid afterwards	300,000 buildings destroyed

3. Tectonic Plate Boundary map

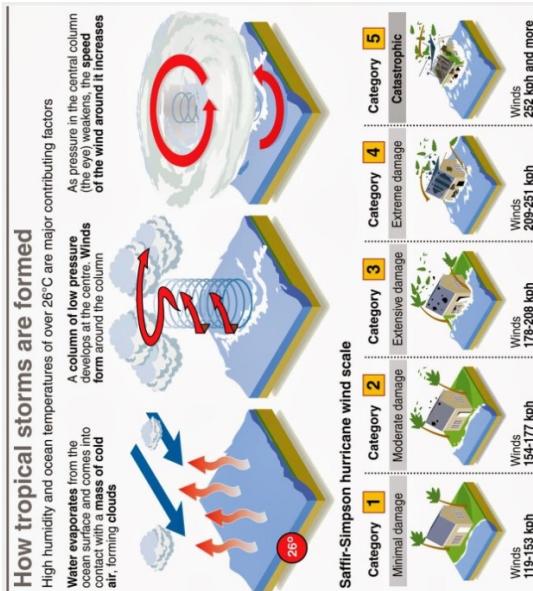


7. Tropical storm names and locations



Continental crust	Less dense than the continents one
Oceanic crust	Dense crust under the oceans
Tectonic plates	Slabs of crust making the surface of Earth
Plate margin	A joint in the crust between two plates
Epicentre	The location on the surface above an earthquake
Focus	Origin of earthquake within the crust of Earth
magma	Molten rock in the mantle under the crust of Earth
Fault line	A weakness or crack in the crust
Seismic waves	The shockwaves given off during an earthquake

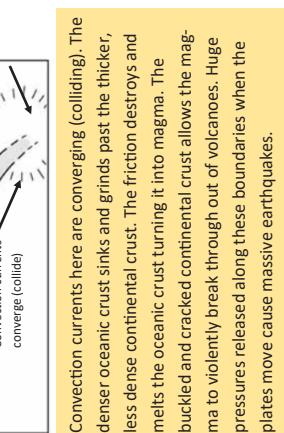
8. Tropical storm formation



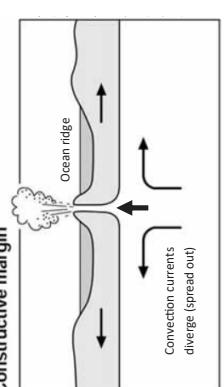
Natural Hazards key terms

Natural event	natural hazard	mantle	oceanic crust	continental crust
tectonic plates	convection currents	converge	diverge	magma
volcano	Earthquake	focus	epicentre	Fault line
Richter scale	constructive margin	destructive margin	tropical storms	seismic waves
hurricanes	cyclones	typhoons	Saffir-Simpson scale	category
storm surge	low pressure	eye	eyewall	thunderstorms

Natural Hazards key terms

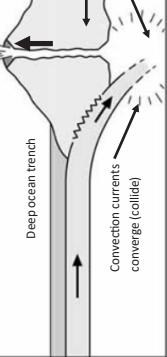


4. & 5. Tectonic Plate Boundaries



4. & 5. Tectonic Plate Boundaries

Destructive margin



Convection currents here are converging (colliding). The denser oceanic crust sinks and grinds past the thicker, less dense continental crust. The friction destroys and melts the oceanic crust turning it into magma. The buckled and cracked continental crust allows the magma to violently break through out of volcanoes. Huge pressures released along these boundaries when the plates move cause massive earthquakes.

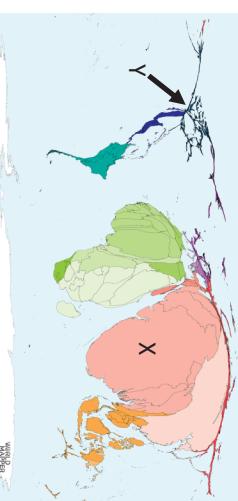
Convection currents under the crust in the mantle are slowly dragging the crust apart. To fill the gap, magma bursts up onto the seafloor (or out of volcanoes sometimes above sea level at these margins) and cools as lava forming new crust. This effectively means the seafloor is spreading and the continents on either side are moving apart. Volcanoes and earthquakes are gentle in these locations.

GEOGRAPHY 8.4. DEVELOPMENT

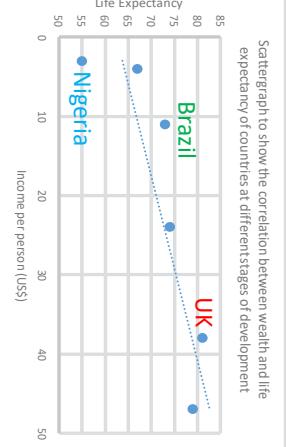
A. Choropleth map of countries above or below average global income



B. Cartogram of poor access to sanitation



1. The concept of development



Development is like a race for progress. However, there was no clear start to the race and there is no ending—as new progress will always be made. So some countries, like the **UK** and France, were the front-runners back in the 1800s and remain one of the world's most developed countries today—called **HICs**. However, some countries have only recently started making progress (or had problems holding them back) such as **Nigeria** in Asia; these are **LICs**. Some countries started to develop later but are making rapid progress—such as China, India and **Brazil**; these countries are **NEEs**. The scattergraph to the left shows the different levels of development.

2. & 3. Measuring Development and Key Terms

Development: The geographical concept and process of making economic and social progress

Standard of living (GNI Per Capita): Average income per person. The Gross National Income is the money generated by a country. 'Per Capita' means per head of population. So GNI per Capita is the statistical average income.

Quality of Life: A measure of how contented people are with life. Happiness is subjective (an opinion) so this can only be measured by a range of other factors that influence peoples' opinions about their lives.

Social measure: A statistic to measure the conditions of life for people NOT to do with income or money. So, life expectancy, access to water (%), daily calorie intake or fertility rate would all be examples.

Economic measure: A statistic to measure the financial (money) state people in a country are in—most commonly, the average income per person, per year.

HDI (Human Development Index): The HDI value is a 'socioeconomic' statistic created by combining 3 other statistics together (average: income, life expectancy and years of schooling) and putting the world's countries in rank order from top to bottom.

HIC: High Income Country—such as the UK—which has high average income

LIC: Low Income Country—such as Kenya—which has a low average income

NEE: Newly Emerging Economies. Countries making rapid economic progress—like China

Birth/Death rate: The number of births/deaths per 1000 of population in a country per year. Countries with high birth rates and low death rates will have a rapidly increasing population

Infant Mortality: The number of infants who are born alive but die before they are one year of age. The higher this value, the harder life is in the country.

Employment Structure: The types of jobs people do from primary, secondary, tertiary and quaternary.

Lif expectancy: The average number of years a person is likely to live in a given country.

Literacy rate: The percentage of a population who can read and write. More recently, this measure is moving to average number of years of schooling'.

Doctor/Patient ratio: The number of patients per doctor in a country. As a rule, the higher the number of patients, the worse the healthcare system is.

A. Global income global average per person was \$10700 in 2010. The orange countries are below this value, the blue are above. Does this represent the full reality though? X is India and Y is USA).

5. Economic measures vs 6. Social measures

Standard of Living

Quality of Life

Mode	The number which appears the most often in a set of numbers (data)
Bi-modal	If there are two modes
Median	The number in the middle of the set when the numbers are put in ascending order
Range	Find the largest and smallest numbers in the set and subtract them
Mean	Add up the numbers and divide by how many there are in the set
Scatter graph	Used to show a relationship between two variables. For example, the average income and life expectancy in a range of countries
Anomaly (anomalies)	A piece of data that doesn't fit with the pattern shown by the rest of the data. Plural is 'anomalies'

Money can't buy happiness, but it will certainly get you a better class of memories.

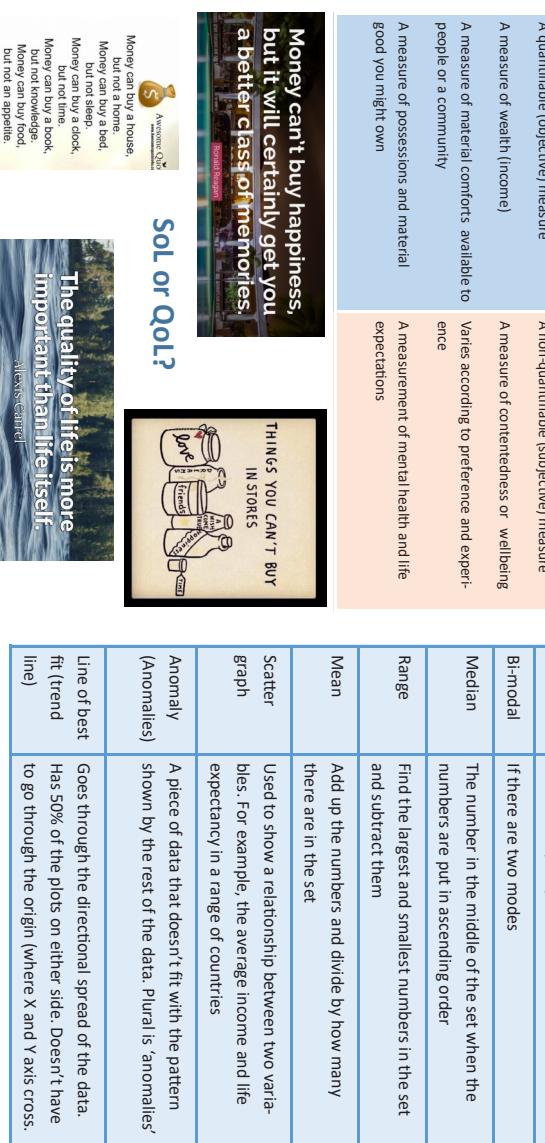
THINGS YOU CAN'T BUY IN STORES

SOL or QoL?

B. This cartogram is a 'distorted' map which changes the size of the countries to demonstrate the data value of the title. Country X is India—a NEE. Clearly, many citizens do not have access to toilets or safe water for hygiene. This is shown by the almost complete white area of the country swelling up. Country Y is USA—a HIC. On the map it has shrunk too much, which tells us the people virtually all have access to toilets and safe water supplies for hygiene. Therefore all developed countries have shrunk too

Statistical Analysis Core skills

Correlation: means a relationship between two sets of variables. For example, a positive correlation could be the harder you try at school, the better your grades will be!



GEOGRAPHY 8.5. GLOBALISATION

Globalisation is the process by which the world is becoming increasingly interconnected

1., 2. & 3. Changing connections over time



Containerisation

In the past, people made epic voyages in boats. Now you can fly direct non-stop to Australia from the UK!

There are nearly 10000 planes in the sky at any given moment. It's never been so easy to travel



Within your parents' life time, communication has changed dramatically...

From letter to landline, car phone to mobile phones and text messages, internet to emails to smart phones technology, and the birth of social media, communication has never been so fast, efficient and accessible.

Buying food

In the past, most food available buy was grown in Britain. Nowadays, you can buy food from all over the world in your local supermarket—at any time of year!



Global Brands

As people have moved all across from their country of origin, the world's enormous variety of cultures, traditions, religions, beliefs and languages have never been so interconnected into a global community; this is called multiculturalism.



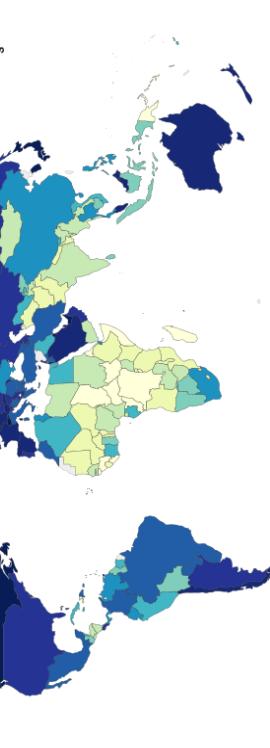
Migration

Contractors are paid an average \$18 a pair by Nike. \$11 Dollars material, \$2 labour, \$4 for other costs and \$1 profit.

A choropleth map showing what % of the population accesses the internet

Share of the population using the Internet, 2017

All individuals who have used the internet in the last 3 months are counted as internet users. The Internet can be used via a computer, mobile phone, personal digital assistant, games machine, digital TV etc.



No data 0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
Source: World Bank

OurWorldInData.org/technology-adoption/ - CC BY

5. Globalisation key terms:

Consumers	People buying and using products
Manufacturers	Companies that build and create products
Retailers	Companies that sell products to consumers
TNCs	Transnational Corporations are large companies that operate in multiple countries
Development	The geographical concept and process of making economic and social progress
HIC	High Income Country—such as the UK—which has high average income
LIC	Low Income Country—such as Kenya—which has a low average income
NEE	Newly Emerging Economies. Countries making rapid economic progress—like China
Economy	The financial position of a country. A wealthy country has a strong economy
Employment	Having a job to earn money
Employment Structure	The types of jobs people do from primary, secondary, tertiary and quaternary.
Exploitation	Taking advantage of someone or somewhere for your gains by not theirs
Sustainability	The concept of managing something successful so that it will last indefinitely

TNC examples:

	Coca-Cola		Disney		Walmart		Kodak		Starbucks		hp		M&S		newell		Bose		Nestle
	Nike		McDonald's		freshdirect		AT&T		Pfizer		Yamaha		The North Face		amazon		SEPHORA		Unilever
	IKEA		Levi's		Wrigley's		The Body Shop		SEPHORA		amazon		The North Face		Unilever		SEPHORA		amazon
	IKEA		Levi's		Wrigley's		The Body Shop		SEPHORA		amazon		The North Face		Unilever		SEPHORA		amazon
	IKEA		Levi's		Wrigley's		The Body Shop		SEPHORA		amazon		The North Face		Unilever		SEPHORA		amazon

4. & 6. Transnational Corporations (TNCs)

Transnational Corporations are huge companies that operate in multiple countries across the world. Nike for example, are an American company, yet not a single Nike product is manufactured in the USA...



Geography Command Words

Command	How do I respond in my writing?
Annotate	Annotations are extended labels. When annotating, you should write brief descriptive or explanatory sentences linked to features referenced in the question.
Assess	Like analyse, assess means to break the theme of the question down into parts but offer your opinion on the successes and failures to reach an informed judgement.
Calculate	You need to use the data (numbers) within the question, or resource that the question is based on, and apply a mathematical function to get your answer.
Compare	An effective comparison will make clear references to both similarities and differences between the items within the questions.
Complete	You are directed to use information available to you (a resource with the cloze paragraphs (a.k.a. gap-fill) style questions).
Contrast	Writing to show contrast will make clear references to just differences between the items within the questions.
Describe	Write details of what the feature/item or theme are like within the question. Do not explain as a description requires no explanation.
Discuss	Describe and explain a balance of the similarities and differences, or positives and negatives of whatever the question is about. Evidence is important to include—as is your opinion. Always add a conclusion to summarise your discussion.
Draw	Using a pencil, produce a simple diagram (plan view/cross-section/ field sketch or box style) of the theme within the question. Quite often, you will be asked to label or annotate your drawing too.
Evaluate	Systematically break down the theme of the question to make an informed judgement supported by evidence for the strengths, weaknesses (or limitations), opportunities to improve a way of working or concept, to reach conclusions.
Explain	Give reasons for why something is like it is. Write in a way that shows cause and effect. The words ‘because’, ‘...as a result’, ‘...this is due to’, ‘consequently’ should be in your writing.
Identify	Identify the name of a feature or item referenced in the question. Synonyms are: give/name or state.
Label	Labelling is simply naming features or parts of something; these are not sentences

Justify	Write a convincing argument to reach a conclusion supported by evidence.
Outline	Give a brief overview of the whole theme of the question. You can describe or explain just the main points in limited detail. The amount you write depends on the amount of content within the question.
Plot	Add data (results or values) onto a graph. Read the axis labels carefully to understand the units. If present, your plotted data should ‘look’ like the other data already present on the graph.
Suggest	Explain a possible reason for theme of the question. ‘Suggest’ questions are asking you to put forward an idea you have.
To what extent	The question is asking how far you agree with something—from fully agree to totally disagree—often a statement or a quote for example. Give your opinion immediately and examine arguments that support and discount your opinion. Support with evidence to reach a conclusion.

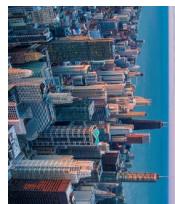
ASSESSMENT OBJECTIVES

AO1	Demonstrate knowledge of location, places, processes, patterns, environments at different scales
AO2	Demonstrate geographical understanding of concepts and how they are used in relation to places, environments and processes; interrelationships between places, environments and processes.

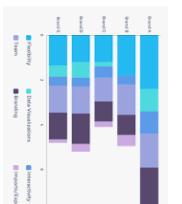
Assessment Objectives are the ways that your knowledge of the subject could be assessed using the command words. For example, the command word ‘explain’ would be AO2, and ‘evaluate’ would be AO3.

EXAM SKILLS
<p>‘Study figure X...’</p> <p>The majority of questions in Geography GCSE exam papers have a linked resource for you to include in your answer—such as photo, graph, map, diagram or set of data. Before you even get to the question, you are commanded to ‘study’ the resource; they’ve essentially given you something to use in your answer—so study it well to find the best bits to include!</p>

Examples of ‘Figures’ in exams:



Photos



Diagrams



Maps

‘Using a case study or an example you have studied...’

When commanded to ‘use an example’ in a question response, you must try to link your knowledge to a real world example as evidence to demonstrate that you have understood beyond just a theory or idea.

In addition to learning lots of ‘examples’ at GCSE level, you will learn a small selection of detailed ‘case studies’; these cover knowledge of specific important geographical events or phenomena, or important places. Unlike ‘examples’, you will definitely get examined on your knowledge of ‘case studies’ at GCSE level