Key V	ocabulary	Key concepts			Picture this	
Urbanisation	Urbanisation is the increase in the proportion of people living in towns and cities.	Urban		An urban area is a city or town. Urban areas are very developed, meaning there is a density of human structures such as houses, commercial buildings,	Dhavari- Slum in	TO STATE
Migration	The movement of humans from one place to another. This can be locally or globally	area	义和"经	roads, bridges, and railways.	Mumbai, India	
Refugee	Refugees are people who must leave their home area for their own safety or survival.	Pural area		A rural area is an open swath of land that has few homes or other buildings, and not very many people. A rural areas population density is very low. Usually the countryside.	Wealth Inequality - Rio De Janeiro,	
Slum	Slums refer to informal settlements in urban areas that				Brazil	# # = \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Sustainable	Sustainable means that a process or state can be maintained/stays the same or at a certain level for as long as is wanted.	Push factor	ENVROMENTAL PUSH SOCIAL ECONOMIC Factors Pourical Disasters Unemployment	Push factors are those that force the individual to move voluntarily, and in many cases, they are forced because the individual risk something if they stay. Push factors may include conflict, drought, famine, or extreme religious activity.	Refugee camp, Syria	W.A.
Future generations	Future generations are the generations of people to come in the future, after the currently living generations of humans.	Pull factor	FIND PULL BNYRONMENTAL SOCIAL CONVAIND Stakiny COUNTRY SOCIAL CONVAIND STAKING PULL SOCIAL SO	Pull factors are those factors in the destination country that attract the individual or group to leave their home.	The BIG questions	
						sh and pull factors for ou think in.

Tudor Entertainment

Industrialisation in the 1800's in Britain caused cities to grow because, factories began to be built and needed workers. People then wanted to live close to their work place and this caused cities and towns to grow rapidly. Liverpool and Manchester where two of these cities.

Into the future...

By 2050 the world's population is expected to reach 9.8 billion. Nearly 70 percent of this booming population, (6.7 billion people) are projected to live in urban areas. National geography state there are 10 key ideas to think about to keep our growing population sustainable for future generations.









BIG questions..

- ush and pull factors for the area you think in.
- 2. Explain what challenges governments will have in the future with populations rising.

Deeper Learning...

Counter urbanisation is when large numbers of people move from urban areas into surrounding countryside or rural areas.

Activity: Design your own sustainable city of the future. Draw and label the features of your 2D or 3D model and explain how it will help keep the people and environment safe for future generations.

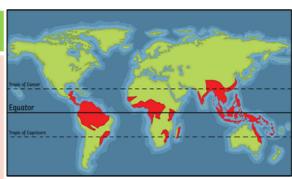
Key Vocabulary						
Ecosystem	An ecosystem is a system in which organisms interact with each other and with their environment.					
Afforestation	The planting of new trees and forests					
Deforestation	The cutting down of trees and forests					
Food Web	A complex system showing how plants and animals depend on each other for survival					
Abiotic	Anything that is not alive e.g. Sunlight, Oxygen					
Biotic	Anything that is alive e.g. plants, animals, fungi					
Adaptation	A change that enables better survival in an environment					

Rainforest nutrient cycle

The hot, damp conditions on the forest floor allow for the rapid decomposition of dead plant material. This provides plentiful nutrients that are easily absorbed by plant roots. However, as these nutrients are in high demand from the many fastgrowing plants, they do not remain in the soil for long and stay close to the surface. If vegetation is removed, the soils quickly become infertile.

Food Web and Chains

Simple food chains are useful in explaining the basic principles behind ecosystems. They show only one species at a particular trophic level. Food webs however consists of a network of many food chains interconnected together.



Tropical Rainforest Biome

Tropical rainforest cover about 2 per cent of the Earth's surface yet they are home to over half of the world's plant and animals.

Climate of Tropical Rainforests

- Evening temperatures rarely fall below 22°C.
- Due to the presence of clouds, temperatures rarely rise above
- Most afternoons have heavy showers.
- At night with no clouds insulating, temperature drops.

Interdependence in the rainforest

A rainforest works through interdependence. This is where the plants and animals depend on each other for survival. If one component changes, there can be serious knock-up effects for the entire ecosystem.

What are the causes of deforestation?

· Most widely reported cause of

Logging

- destructions to biodiversity. · Timber is harvested to create commercial items such as
- · Large scale 'slash and burn' of land for ranches &palm oil.

Agriculture

Tourism

- Increases carbon emission. furniture and paper.
 - · River saltation and soil erosion increasing due to the large areas of exposed land.
 - · Increase in palm oil is making the soil infertile.

Mineral Extraction

- · Precious metals are found in the rainforest.
- Areas mined can experience soil and water contamination.
- Indigenous people are becoming displaced from their land due to roads being built to transport products.
- Mass tourism is resulting in the building of hotels in extremely vulnerable areas.
- Lead to negative relationship between the government and indigenous tribes • Tourism has exposed animals
- to human diseases.

Road Building

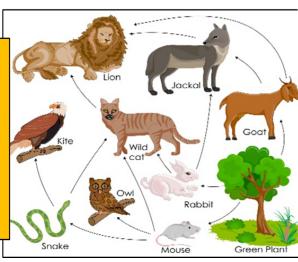
Energy Development

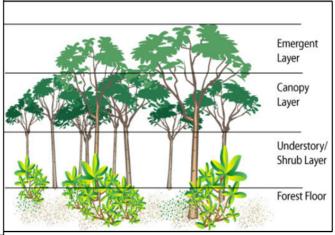
• The high rainfall creates ideal conditions for hydro-electric power (HEP).

The **Bakun Dam** in Malaysia is key for creating energy in this developing country, however, both people and environment have suffered.

· Roads are needed to bring supplies and provide access to new mining areas, settlements and energy projects.

Homework Project: Research and create a model of the rainforest. Show the layers, plants and animals that live in it. You can make this out of anything you have at homerubbish, cardboard, lego – whatever you have at home.





	Layers of the Rainforest					
	Emergent	Highest layer with trees reaching 50 metres.				
	Canopy	80% of life is found here as It receives most of the sunlight and rainfall.				
// er	Understory	Consists of trees that reach 20 metres high.				
r	Shrub Layer	Lowest layer with small trees that have adapted to living in the shade .				
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