



# Memory Geogger

Identify the 3 main stores in the nutrient cycle.

Define the following:

Megacity

Urbanisation

Rural-urban migration

Push Factor

Pull Factor

Describe three causes of deforestation in the Amazon rainforest.

Identify two problems of living in a squatter settlement.

With the help of a diagram describe and explain the formation of the landform shown in the image below.



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- Soil
- Litter
- Biomass

Trees such as mahogany and teak are highly valued for furniture and other uses. Smaller trees are used for fuel, pulped or made into charcoal.

Commercial farming - - In Brazil, cattle ranching accounts for 80% of deforestation. In Brazil, soybeans, palm oil and sugar cane [for biofuel] are the major crops.

In Brazil, the Trans-Amazonian Highway stretches for some 4,000 kilometres through the rainforest. Building roads means that trees have to be chopped down to allow construction. This then makes areas accessible and encourages further deforestation e.g. corridors are developed along railways in Amazonia between Sao Luis and Maraba where there are saw mills so that the products can be taken to be sold.

In Brazil, minerals such as gold, bauxite and copper are mined extensively, causing huge scars in the landscape and polluting rivers. The largest iron ore mine in the world is at Carajas, which is worked by 3,000 people, 24 hours a day.

HJO - Define the following;

**MegaCity** - A City with a population of over 10 million.

**Urbanisation** - The process of an increasing percentage of the population living in towns and cities.

**Rural-Urban migration** - The movement of people from the countryside to towns and cities.

**Push factor** - The factors/reasons causing people to wish to move away from an area e.g; High crime rates.

**Pull factor** - The factors/reasons causing people to wish to move to an area e.g; Employment opportunities.

Overcrowding

Makeshift homes/shelters

Vulnerability to disease

Lack of utilities - Electricity, plumbing etc.

A lack of a formal education sector.

Social issues such as substance abuse, domestic violence and street crime.

With the help of a diagram describe and explain the formation of the landform shown in the image below.

The diagram above shows the formation of a waterfall. Soft rock is undercut (1). This leaves a layer of hard rock which overhangs the layer of soft rock (2). The water flows over the overhang and creates a plunge pool in the soft rock below. As the water hits the plunge pool it will erode it by both hydraulic action (the force of the water against the bedrock) and by abrasion (where the material carried by the river acts like sand paper against the riverbed) (3). Eventually the overhang will collapse due to the erosion of the soft rock beneath it. The waterfall then retreats up stream (4). This creates a steep, gorge-like valley.

