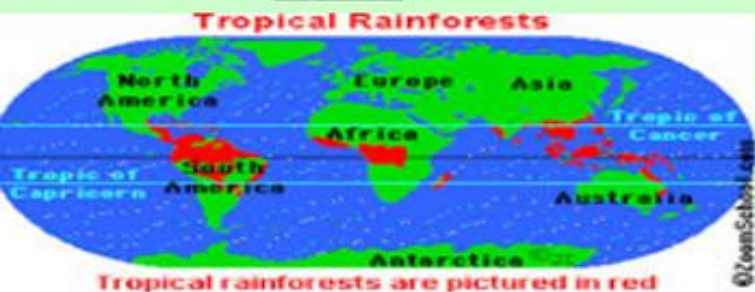


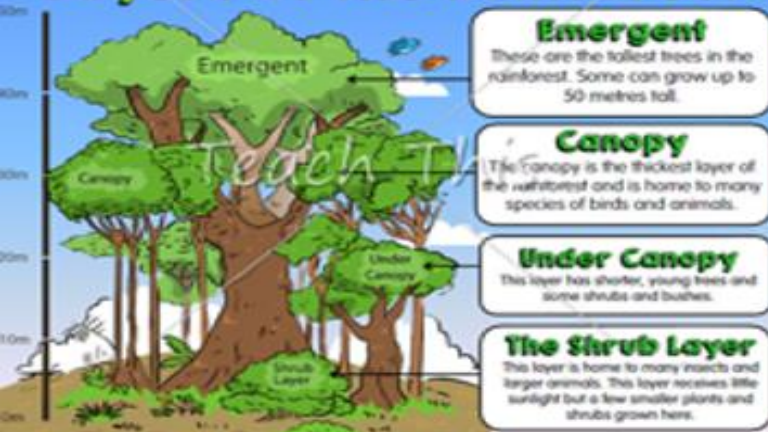
D1: Where are rainforests located?

Tropical rainforests are found between the Tropics of Cancer and Capricorn, 23.5° north and south of the equator.



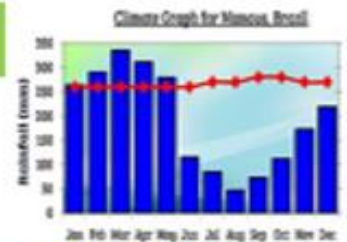
D2: Tropical Rainforest - Layers

Layers of the Rainforest



D4: Rainforest Climate

Temperatures are high all year (around 28°C).
Rainfall is around 250mm per month.



D7: Effects of deforestation in the Amazon

- Less plant and animal species - **biodiversity**.
- Loss of habitats - places for animals to live.
- Loss of sources of medicine.
- Soil erosion.
- Flooding
- Global warming and rising sea levels



D5: Plant Adaptations

Buttress roots - large roots have ridges which create a large surface area that help to support large trees.



Lianas - these are woody vines that have roots in the ground but climb up the trees to reach the sunlight. Their leaves and flowers grow in the canopy.



Drip tips - plants have

leaves with pointy tips. This allows water to run off the leaves quickly without damaging or breaking them.

D6: Causes of deforestation

Commercial farming



Farming to sell produce for a profit. Cattle and crops. Responsible for 80% of Amazon deforestation. Ruins soil and nutrients

Logging

The business of cutting down trees and transporting the logs to sawmills.



Mineral extraction

The removal of mineral resources from the earth. Eg Gold. Pollutes rivers and air.



Population

Population growth has resulted in the loss of tropical rainforest as land is cleared to build houses and infrastructure.

Hydro - electricity

Dams have been built and large areas of rainforest destroyed by flooding.

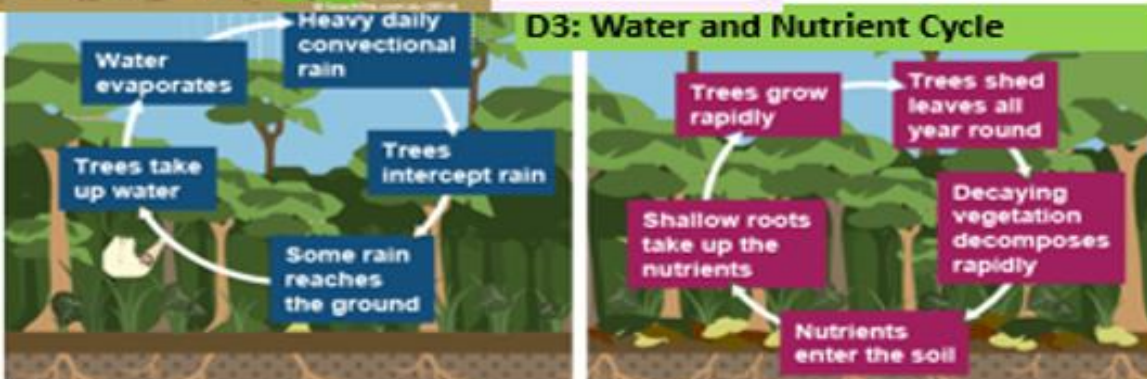


Roads



The construction of access roads for farmers, loggers and miners results in large parts of the tropical rainforest being destroyed

D3: Water and Nutrient Cycle



D8: Protecting the Tropical Rainforest

- Selective logging - only some trees cut down.
- Replanting trees called Afforestation
- Setting up **national parks** and **nature reserves**.
- Encouraging ecotourism.
- Education - ensuring those involved in exploitation and management of the forest understand the consequences behind their actions.



Year 8 Rainforest