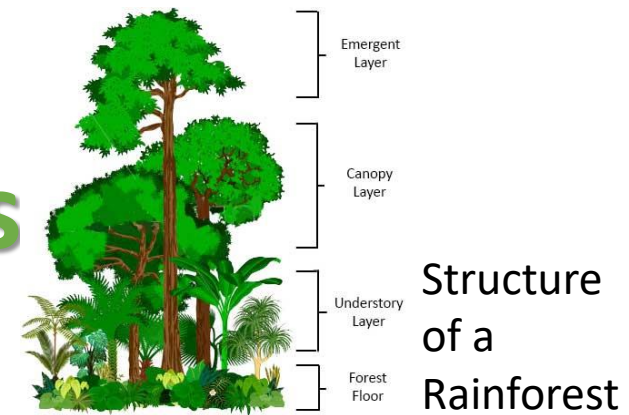


1) Keywords

- **Ecosystem** = all the living organism in an area and how they interact.
- **Biome** = a naturally occurring ecosystem
- **Sustainable** = meets the needs of the current generation as well as the next.
- **Deforestation** = Cutting down trees and forests.
- **Desertification** = areas getting less rainfall and becoming deserts.
- **Habitat** = the area where a plant or animal lives
- **Biodiversity** = the number of different species in an area

Ecosystems



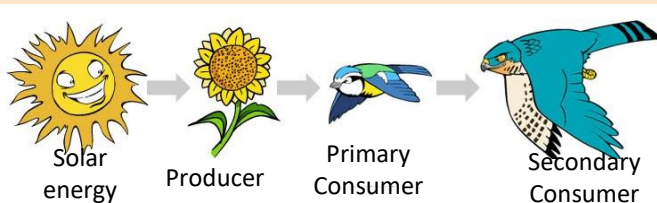
2) Ecosystems around the world



The further they are from the equator the colder ecosystems tend to be.

A food web shows what eats what within an ecosystem.

If one member of the food chain is removed it effects the whole ecosystem.



3) Rainforest Characteristics/Adaptations

- Rainforests are hot and wet (humid) with heavy rainfall.
 - They have high biodiversity (50% of the worlds different species)
- Animals adapt to life in the rainforest
- Camouflage = colours and patterns to help hide.
 - Bright patterns = to warn predators of poison.
 - Drip tip leaves = to stop rain water breaking them



4) Deforestation and Management

Deforestation

- Deforestation has lead to 38 species becoming extinct in the Amazon Rainforest
- There is illegal deforestation for: mining, farming and logging.

Management

- Governments are turning rainforests into protected land
- There are large fines for illegal deforestation.



5) Hot Desert Characteristics

- Deserts have less than 250mm of rain a year.
- A hot desert has high temperatures (38-50C).
- They are mostly made up of sand and rocks.
- With some low level shrubs and cacti that are adapted to the dry climate.
- They are often found nearer the equator



6) Challenges and Opportunities

Opportunities

- Energy generation: they are a great place for solar energy.
- People will visit the desert for tourist opportunities.
- There are often opportunities for mining.

Challenges

- There is limited water supply so it is hard to make this sustainable
- Deserts are huge and hard to access due to the harsh conditions
- The extreme temperatures make it hard for humans to work there