

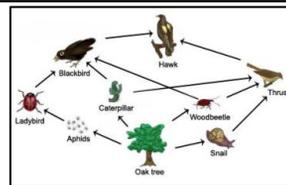


Geog your memory...



Describe & explain the global distribution of tropical rainforests.

Describe & explain the global distribution of hot deserts.



Explain how the organisms in the food web might be affected if the ladybirds were removed.

Name and locate an example of a small scale ecosystem that you have studied.

Draw a food chain for that ecosystem . Make sure you include a producer, primary consumer, secondary consumer, tertiary consumer and a decomposer.

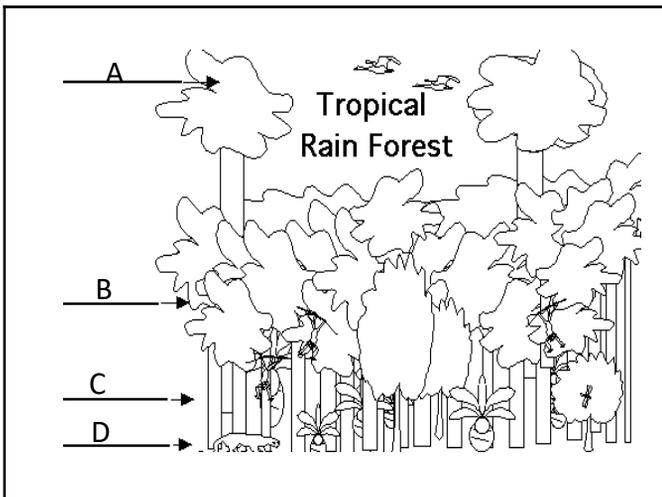
Explain how nutrients are cycled in a land-based ecosystem.

What are the characteristics of these ecosystems?

Tundra	Hot Desert
Tropical rainforest	Polar



Geog YOUR memory...



Describe the physical conditions in the layers of the rainforest.

A = Emergents:

B = Canopy:

C = Under storey:

D = Shrub Layer:

Annotate this photograph to show the characteristics of tropical rainforests (climate, soil, animals, plants?)



How have these plants adapted to the rainforest?

Buttress roots



Pitcher plant



Case Study- Deforestation in the Malaysian Rainforest- Shade the boxes to show causes, impacts and management

Commercial farming: Malaysia is the world's largest exporter of palm oil. Ten year tax incentives encourage more deforestation for more plantations.	Deforestation releases some carbon stored in the rainforest into the atmosphere, contributing to global warming.	Reduces local biodiversity with the potential loss of cures for diseases.
Mining industry creates lots of jobs for people in Malaysia. Tin mining is already established. Drilling for oil and gas has recently started.	Selective logging- where only some trees are cut down and replanting to avoid complete destruction of the forest.	Landless farmers cut down the trees so they have land to farm. Some farmers need more land as their land is unusable.
Ecotourism is encouraged. Only a small number of visitors are allowed at a time.	HEP projects help to boost Malaysia's economy by providing cheap electricity supplies	55 million tons of topsoil is being lost because of soil erosion each year.
Conservation and education encourage preservation of rainforests in national Parks and nature reserves.	Population growth has meant that people are building houses in the rainforest as there is little land in cities.	International hardwood agreement has reduced illegal logging and promoted sustainable management.



Geog your memory...



Annotate the diagram of the sloth to explain how it adapts to the rainforest.



Explain how human development of tropical rainforests might reduce biodiversity.

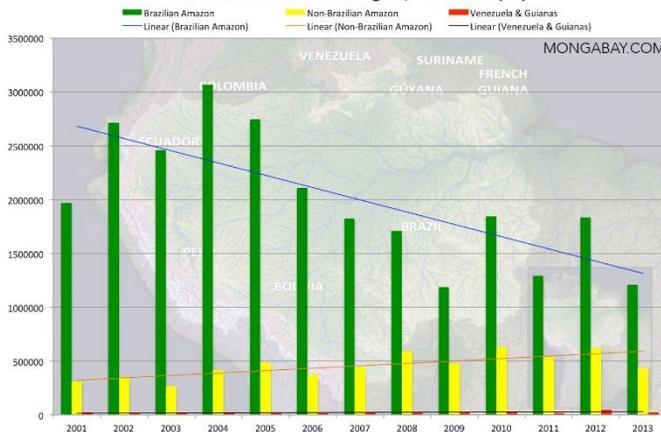
Add your reasons to the spider diagram below.

Why should rainforests be protected?

Explain 3 ways in which the tropical rainforest can be managed more sustainably?

- 1.
- 2.
- 3.

Forest loss in the Amazon region, 2001-2013 (ha)



Describe the rates of deforestation in the Amazon from 2001 to 2013.