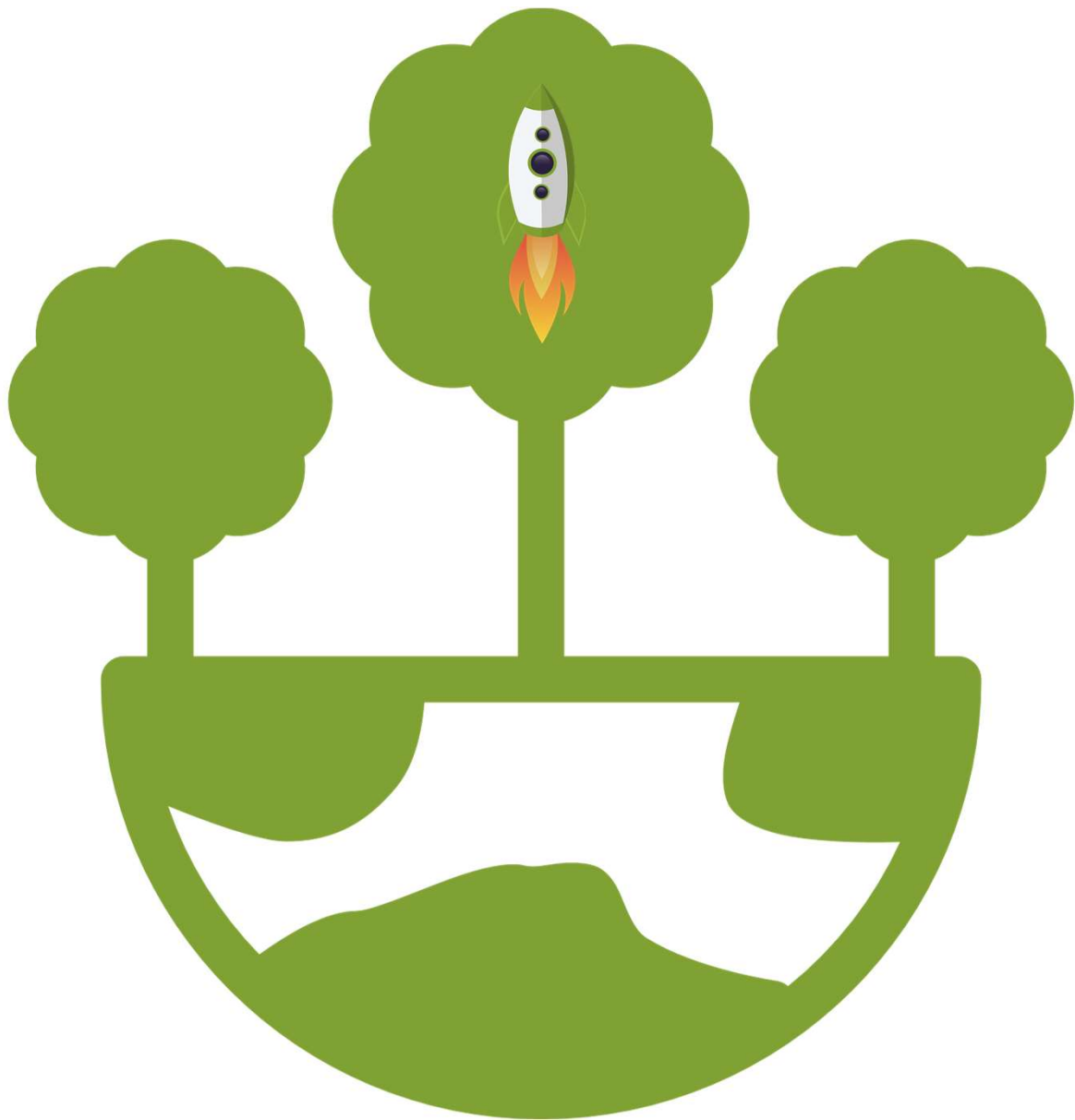


# Ecosystems

## Rainforests



Revision Boost



# Interactive Revision

Check out the interactive flashcards, multiple-choice quizzes and short answer questions on [internetgeography.net](http://internetgeography.net)



After you've completed each section of this booklet go to [tinyurl.com/ecorevi](http://tinyurl.com/ecorevi) and complete the interactive revision activities for each section.



# Ecosystems



## Define:

Ecosystem

Biotic

Abiotic

## Draw a simple food chain

## Define:

Producer

Consumer

Decomposer

## Draw a food web for a small-scale ecosystem

## Define:

Nutrient cycle

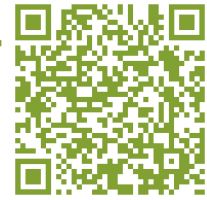
Litter

Biomass

## Produce a diagram to show the flows and stores in the nutrient cycle.



# Small scale UK Ecosystem



Complete the overview for a small scale UK ecosystem you have studied.

Small scale ecosystem in the UK: \_\_\_\_\_

Characteristics of the ecosystem  
*(e.g. location, type, use by humans)*

Food web characteristics  
*(overview of biodiversity, food web)*

How is the ecosystem interdependent?  
*(e.g. food web, nutrient cycle)*

The nutrient cycle  
*(e.g. overview and diagram)*



# Impact of Change

Identify and explain natural changes that can affect an ecosystem.

Identify and explain natural changes that can affect an ecosystem.

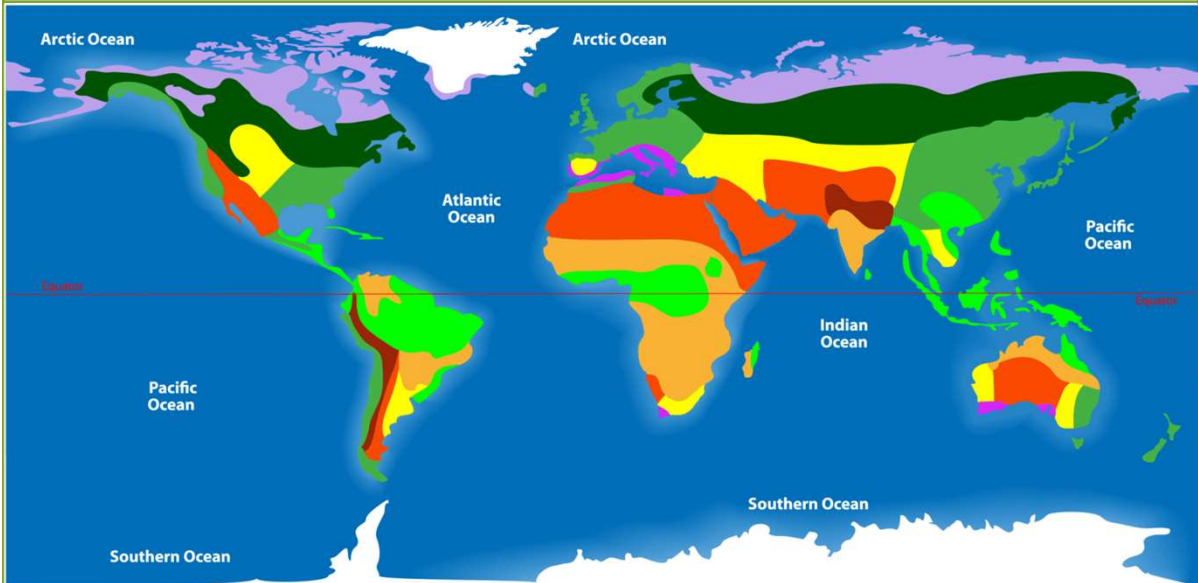
Explain how changes affect a small scale ecosystem you have studied.



# Distribution of Biomes



Select four biomes (not rainforest) and complete the fact files below.



- |  |                            |                          |
|--|----------------------------|--------------------------|
| Ice sheet and polar desert                 | Mixed and deciduous forest | Savanna                  |
| Tundra                                     | Tropical rainforest        | Desert                   |
| Taiga                                      | Steppe                     | Mediterranean vegetation |
| Montane (alpine tundra and montane forest) | internet geography         |                          |

Ecosystem: \_\_\_\_\_

Location:

Characteristics:

Ecosystem: \_\_\_\_\_

Location:

Characteristics:

Ecosystem: \_\_\_\_\_

Location:

Characteristics:

Ecosystem: \_\_\_\_\_

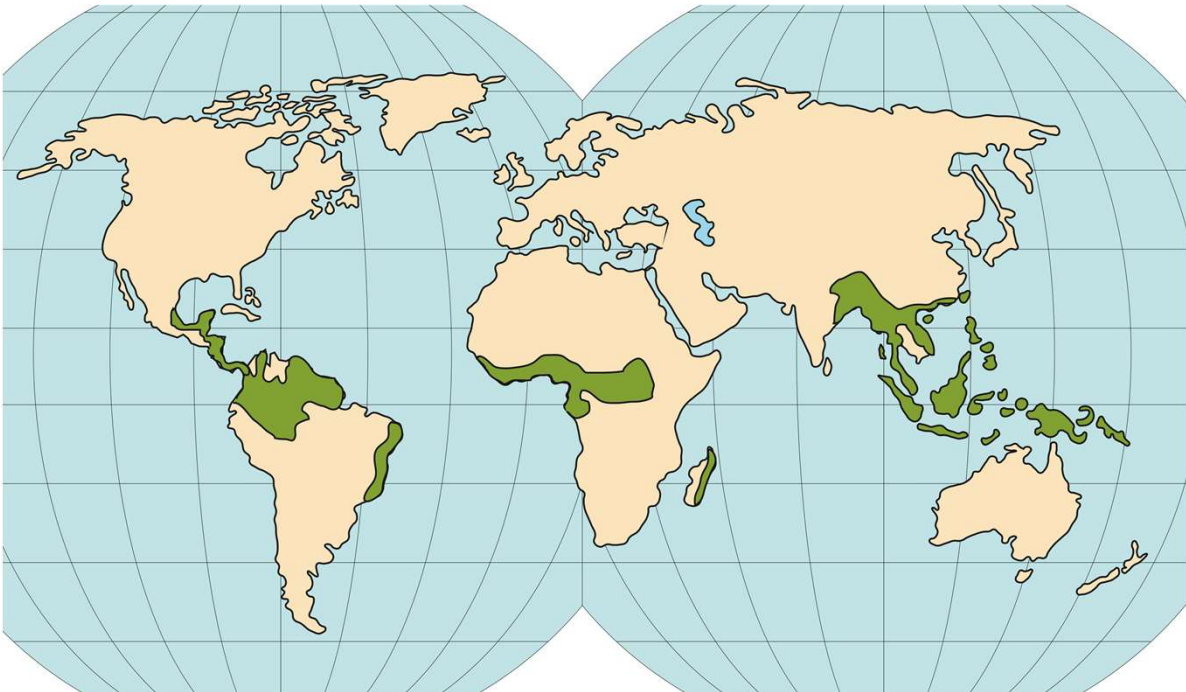
Location:

Characteristics:



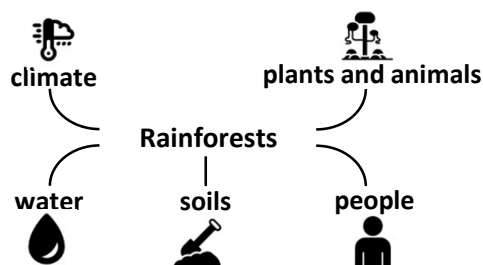
# Tropical Rainforests

Describe the distribution of tropical rainforests.



- 
- 
- 

Complete the mind map below to show the physical characteristics of tropical rainforests.

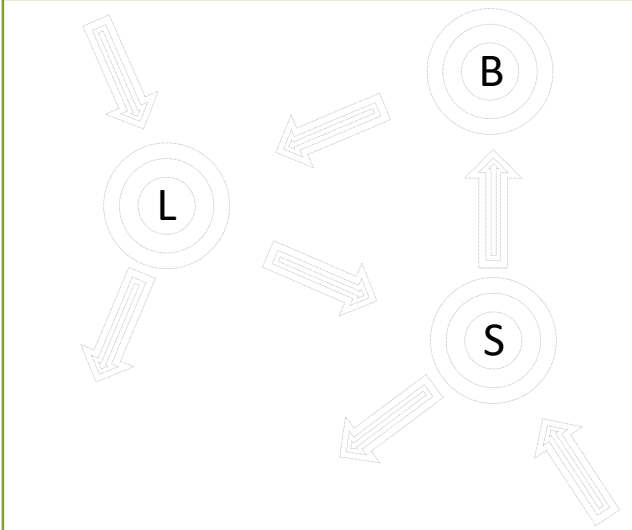




# Tropical Rainforests



Shade the nutrient stores and flows to show the proportion of each in the nutrient cycle.

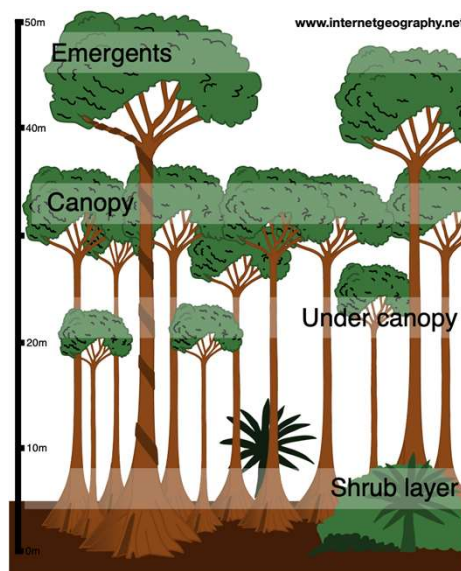


Explain how two animals have adapted to the rainforest environment.

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Annotate the diagram below to explain how vegetation has adapted to the rainforest environment.







# Biodiversity



**Define:**

Biodiversity

Interdependence

Adaptations

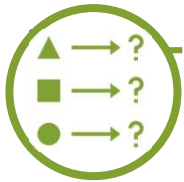
**How biodiverse are rainforests?**

**Why are rainforests so biodiverse?**

**What are the threats to biodiversity?**

**What are the main issues associated with biodiversity decline?**

**How is the rate of deforestation changing?**



# Deforestation – Causes and Impacts



Complete the overview for a case study you have studied.

Rainforests case study: \_\_\_\_\_

Causes of deforestation

Impacts

Economic Development

Soil Erosion

Climate Change



# Rainforest Management



What is the importance of the tropical rainforest?

*Value to people*

Resources

Medicine

Indigenous tribes

Energy

Employment

*Value to the environment*

Water

Biodiversity

Climate

Climate change

Soil erosion



# Rainforest Management



How can rainforests be managed sustainably?

*International Level*

Inter-government agreements

Debt reduction by HICs

Conservation and education by NGOs

*National Level*

*Local Level*

Selective logging

Replanting

Ecotourism