

The Living World

Ecosystems

- What is an ecosystem?
- Explain the elements of a food chain.
- What is a producer?
- Describe the role of decomposers in an ecosystem.
- Explain 2 ways that humans can impact ecosystems.
- Describe how changes to an ecosystem may naturally occur.
- Describe the distribution of Tropical Rainforests.
- If the number of producers decreased in an ecosystem, how may the food chain be affected?

Tropical Rainforests

- Describe the climate of a tropical rainforest. (be prepared to read a climate graph)
- Describe an example of an interdependent relationship in the tropical rainforest ecosystem.
- Tropical rainforests have a huge biodiversity. What does this mean?
- Describe and explain the main plant adaptations in a tropical rainforest environment.
- Explain how the adaptations of animals allow them to survive in rainforest conditions.
- Explain the impacts of deforestation of tropical rainforests on the environment
- Outline one social impact of deforestation in the Amazon.
- Outline one possible environmental impact of deforestation.
- With reference to a specific rainforest region explain why large areas are being cleared by humans.
- Assess the value of tropical rainforests to people.
- Assess the importance of tropical rainforests to the environment.
- With reference to examples explain how the Tropical Rainforest can be managed sustainably.
- Suggest one way that international co-operation can help make tropical rainforests more sustainable.
- The rainforest is more valuable when left intact than when destroyed. To what extent do you agree with this view?
- Suggest one way of making use of the tropical rainforest more sustainable

Cold Environments

- Describe the climate of a cold environment (make sure you can read a climate graph)
- Explain the features of plants and soils in the tundra environment.
- Explain on adaption an animal has made to live in a cold environment.
- Explain how vegetation has adapted to survive in cold environment.
- Explain why biodiversity is low in a cold environment.
- With reference to a specific example of a cold environment explain how the area has been able to develop.
- With reference to a cold environment, describe how tourism has created development opportunities.
- It is often challenging to develop a cold environment. Explain the challenges that exist.
- Explain how temperature poses a problem for developing cold environments.
- Explain why cold environments are valuable and should be protected.
- Describe one reason why cold environments should be protected.
- For a cold environment you have studied, to what extent has human activity threatened that environment?
- For a hot desert environment or cold environment you have studied, to what extent does that environment provide both opportunities and challenges for development?
- To what extent does economic development lead to environmental damage in cold environments?
- Evaluate the use of technology in protecting cold environments.
- Evaluate how management strategies can be used to protect cold environments.
- Explain why the role of governments/conservation groups are important in protecting fragile environments.
- Explain how economic development and conservation can be balanced through the use of management strategies in cold environments.