

The Living World

	Red	Amber	Green
Ecosystems exist at a range of scales and involve the interaction between biotic and abiotic components.			
I know what an ecosystem is			
I know an example of a small-scale ecosystem			
I know the interrelationships within an ecosystem (how things are linked)			
I understand the nutrient cycle			
I know the main features of a food chain			
I know the main features of a food web			
I know the impact of changes to one component in an ecosystem			
I know the distribution of the world's main biomes			
I know the characteristics of large scale natural global ecosystems (biomes)			
Tropical rainforest ecosystems have a range of distinctive characteristics.			
I know the physical characteristics of a tropical rainforest			
I know how climate, water, soils, plants, animals and people are interdependent in the tropical rainforest			
I know how plants have adapted to physical conditions of the tropical rainforest			
I know how animals have adapted to physical conditions of the tropical rainforest			
I know how and why the tropical rainforest ecosystem has a high biodiversity			
Deforestation has economic and environmental impacts.			
I know the changing rates of deforestation in the tropical rainforest			
Using a case study, I know the causes of deforestation in the tropical rainforest			
Using a case study, I know the impacts of deforestation in the tropical rainforest			
Tropical rainforests need to be managed to be sustainable.			
I know the value of tropical rainforests to people and the environment			
I can identify, describe and explain a range of strategies to manage the tropical rainforest ecosystem at a local scale			

I can identify, describe and explain a range of strategies to manage the tropical rainforest ecosystem at an international scale			
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You will have studied either a hot or cold ecosystem environment. You only need to review your knowledge and understanding of cold environments.

Cold Environment Ecosystems	Red	Amber	Green
Cold environments have a range of distinctive characteristics.			
I know the physical characteristics of a cold environment ecosystem			
I know how climate, permafrost, soils, plants, animals and humans are interdependent.			
I know how plants have adapted to the physical conditions of a cold environment ecosystem			
I know how animals have adapted to the physical conditions of a cold environment ecosystem			
I understand the issues relating to biodiversity in a cold environment ecosystem			
Development of cold environments creates opportunities and challenges.			
Using a case study, I can describe and explain the development opportunities in cold environments including mineral extraction, energy, fishing and tourism			
Using a case study, I can describe and explain the challenges of developing cold environments including extreme temperatures, inaccessibility and provision of buildings and infrastructure			
Cold environments are at risk from economic development.			
I know the value of cold environments as wilderness areas and why these fragile environments should be protected			
I can describe and explain strategies used to balance the needs of economic development and conservation in cold environments – use of technology, role of governments, international agreements and conservation groups.			