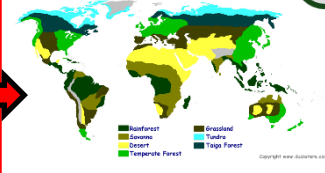
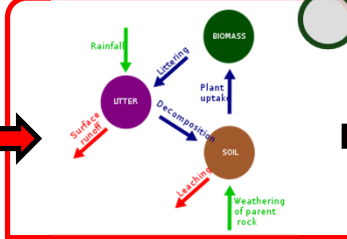


# Paper 1 Section B – The Living World: Theory and Tropical Rainforests



**Specification:**  
An example of a small scale UK ecosystem to illustrate the concept of interrelationships within a natural system, an understanding of producers, consumers, decomposers.

**Specification:**  
Food chain, food web and nutrient cycling (in the small-scale UK ecosystem). The balance between components. The impact on the ecosystem of changing one component.

**Specification:**  
An overview of the distribution and characteristics of large scale natural global ecosystems.

**Specification:**  
The physical characteristics of a tropical rainforest. The interdependence of climate, water, soils, plants, animals and people.

**Specification:**  
How plants and animals adapt to the physical conditions. Issues related to biodiversity.

1. What is an ecosystem?

2. What are the interrelationships between components of ecosystems?

3. What are the world biomes?

4. What are Tropical Rainforests Like?

5. How have plants and animals adapted to life in the TRF?



**End of Unit Assessment**



**Specification:**  
Value of tropical rainforests to people and the environment. Strategies used to manage the rainforest sustainably – selective logging and replanting, conservation and education, ecotourism and international agreements about the use of tropical hardwoods, debt reduction.

**Specification:**  
A case study of a tropical rainforest to illustrate impacts of deforestation – economic development, soil erosion, contribution to climate change.

**Specification:**  
Changing rates of deforestation. A case study of a tropical rainforest to illustrate causes of deforestation – subsistence and commercial farming, logging, road building, mineral extraction, energy development, settlement, population growth.

8. What can be done to save the tropical rainforests?

7. What are the impacts of deforestation?

6. Why is deforestation happening in the TRF?