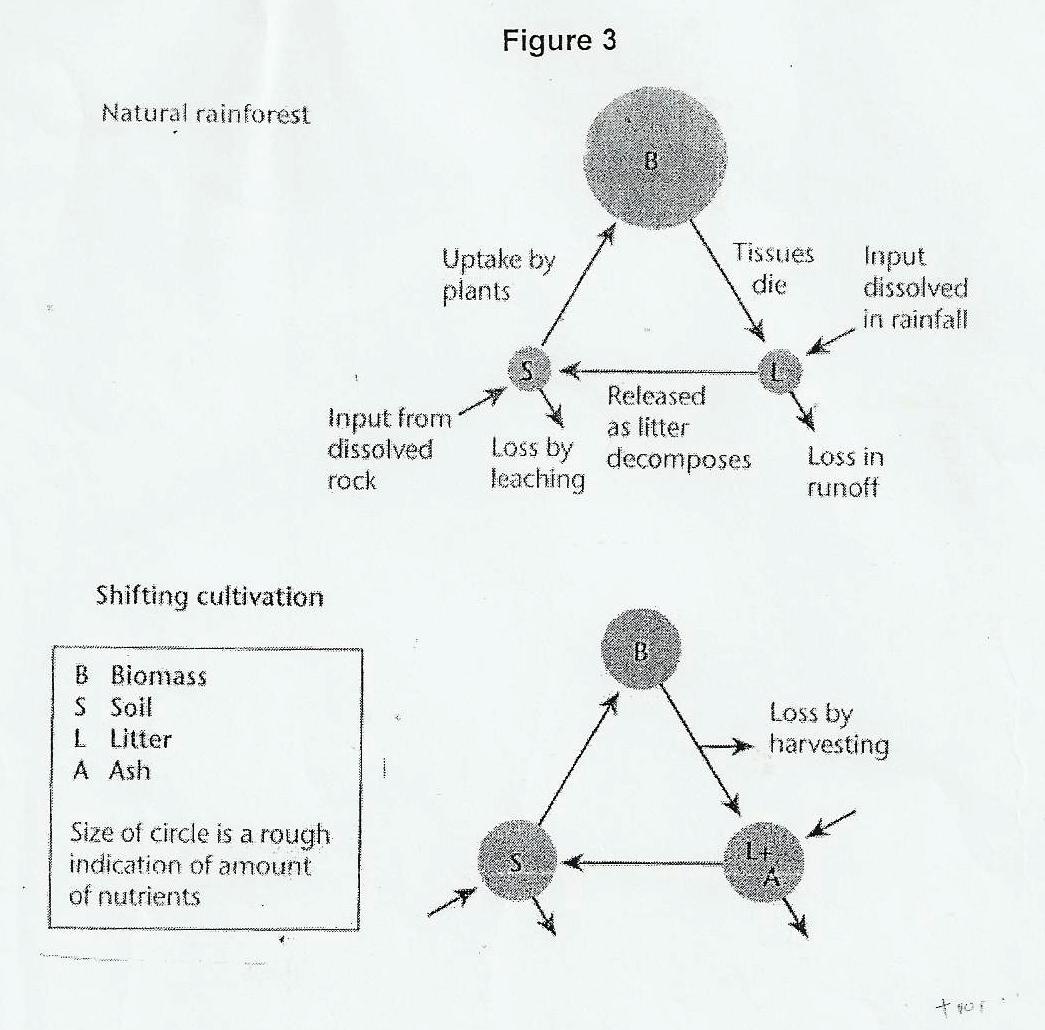
**Ecosystems: Further Practice Questions**

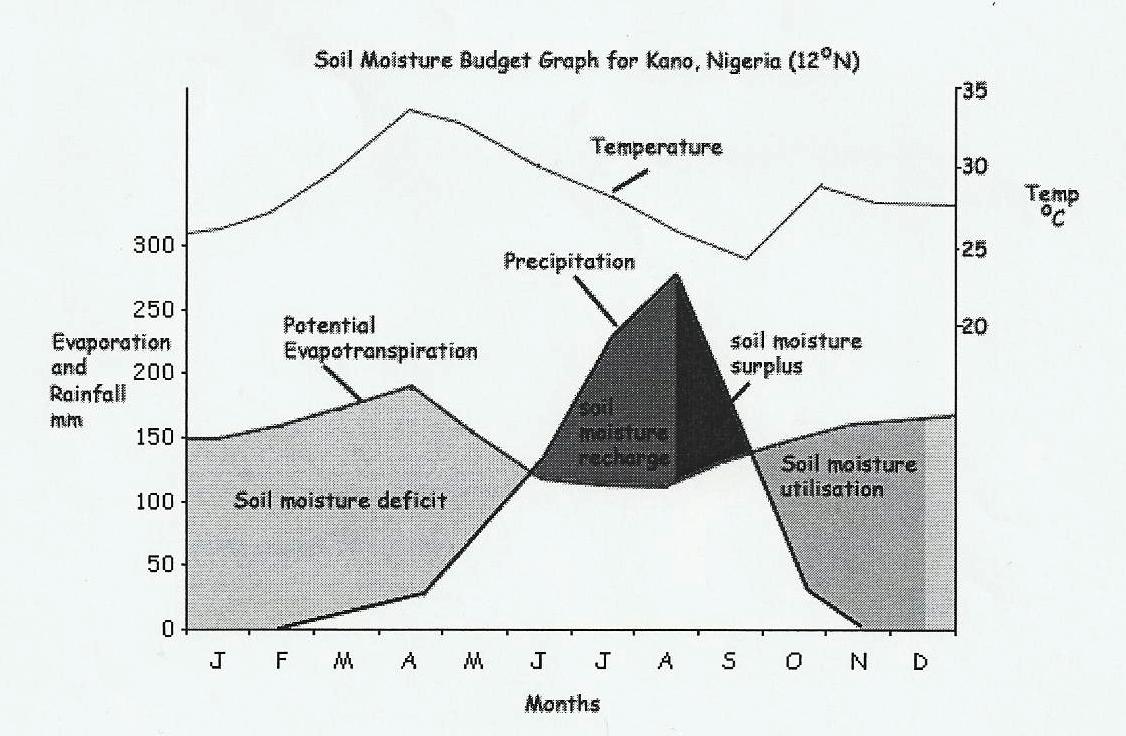
1. Study Figure 3 which shows changes in nutrient cycling in a tropical rainforest feore and after human activity has taken place.

Describe and comment on the changes shown (7 marks)

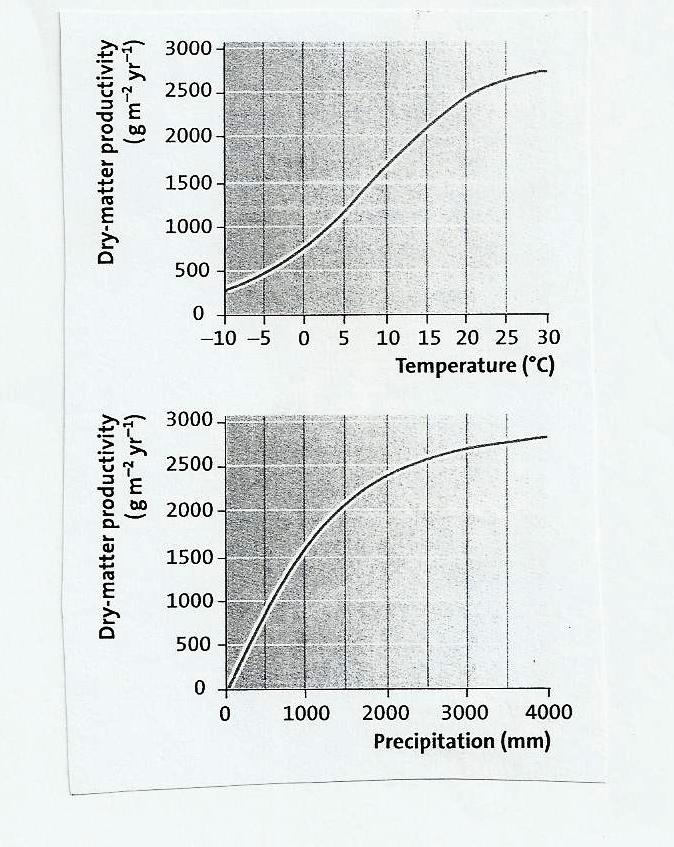


1. The diagram below shows the soil moisture budget for a tropical area.

Describe and comment on the pattern shown (7 marks)



1. The graphs below show the relationship between productivity, temperature and precipitation for forest ecosystems.



1. Describe and explain the relationship between
2. Temperature and productivity
3. Precipitation and productivity

(10 marks)

The table below shows the productivity in different biomes

|  |  |
| --- | --- |
| **Biome** | **Net Primary Productivity (g m¯² yr)** |
| Tropical rainforest | 2200 |
| Temperate Deciduous Forest | 1200 |
| Tropical Savannah Grassland | 900 |
| Boreal Forest | 800 |
| Temperate Prairie Grassland | 600 |
| Tundra | 600 |
| Ocean | 125 |
| Desert | 90 |

1. What is a biome? (2 marks)
2. What is net primary productivity? (2 marks)
3. Comment on the distribution shown. (7 marks)

