

## Tropical Rainforests Homework 3 Answers

1) Using figure 1, describe the changes in the rainforest between 1966-1996 (2)

**Page 22: Tropical Rainforests — Deforestation**  
1.1 The area of deforested land increased between 1966 and 2016 [1 mark]. The rate of deforestation was slow at first, but increased rapidly after 1996 [1 mark].

2) Outline 2 possible causes of deforestation (2)

1.2 Any two from: e.g. as the population in the area increases, trees are cleared to make land for new settlements [1 mark]. / Some areas have deposits, e.g. of gold or iron ore, so trees are cleared to make space for mines [1 mark]. / Building dams to generate hydro-electric power floods large areas of forest [1 mark]. / Trees are felled to be sold [1 mark]. / Road building for logging requires tree clearance [1 mark]. / The forest may be cleared for commercial farming, such as cattle grazing, palm oil or soya plantations [1 mark]. / The forest may be cleared for subsistence farming so farmers can grow food for themselves and their families [1 mark].

3) Outline 1 positive economic impact of deforestation (1)

1.3 Any one from: e.g. logging, mining and farming create jobs [1 mark]. / A lot of money is made from selling timber, extracted minerals and animals/crops [1 mark].

4) Outline 2 environmental impacts of deforestation (2)

Any two from: e.g. with no trees to hold the soil together, heavy rain washes away the soil [1 mark]. This can lead to landslides and flooding [1 mark]. / Without a tree canopy to intercept rainfall and tree roots to absorb it, more water reaches the soil [1 mark]. This reduces soil fertility as nutrients in the soil are washed away, out of reach of plants [1 mark]. / Trees remove CO<sub>2</sub> from the atmosphere, and burning vegetation to clear the forest produces CO<sub>2</sub> [1 mark]. So deforestation means more CO<sub>2</sub> in the atmosphere, which adds to the greenhouse effect [1 mark].