

1.

Select the correct definition of an ecosystem.

- A A type of tourism that protects the environment.
- B The interconnectedness of environments.
- C The interdependence of plants and animals with the environment they live in.
- D The place where animals and plants live.

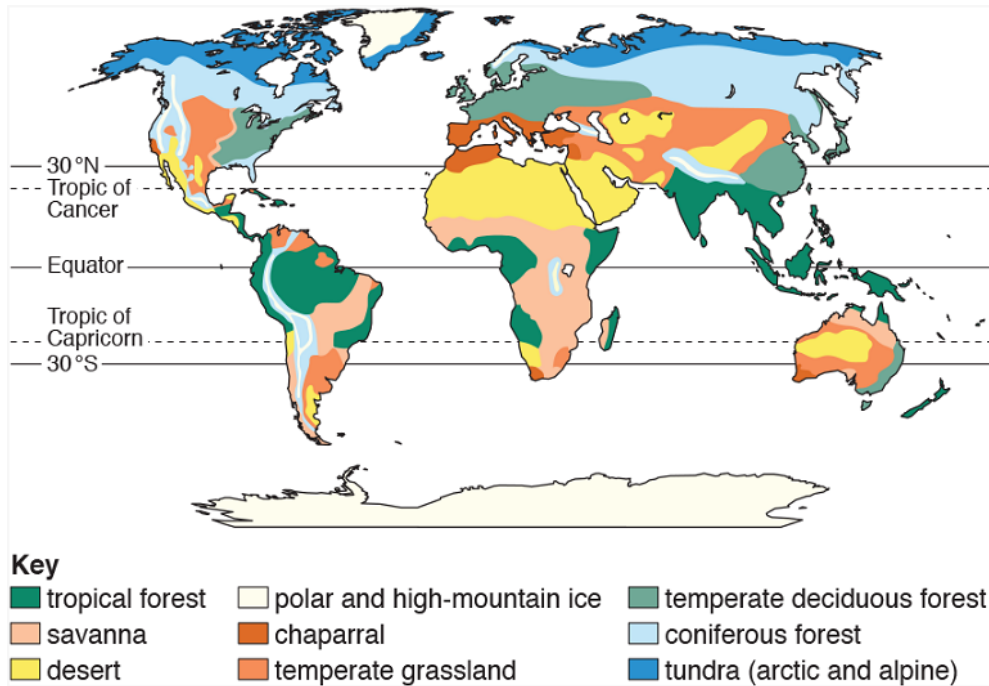
Write the correct letter in the box.

[1]

2(a).

Study Fig. 4, a map showing the global distribution of ecosystems.

Fig. 4 – A map showing the global distribution of ecosystems



Using Fig. 4, describe the global distribution of temperate deciduous forest ecosystems.

[2]

(b). Choose which statement best describes the vegetation of a grassland ecosystem.

- A coarse grasses with some shrubs and a few scattered trees
- B deciduous trees, shrubs and ferns
- C large trees with buttress roots, vines, mosses, ferns and orchids
- D low-growing shrubs with short roots, lichens and mosses

Write the correct letter in the box.

[1]

3. Which **two** statements best explain why the nutrient cycle of tropical rainforests is rapid?

- 1 Heavy rainfall washes away dead plant material
- 2 Nutrients are in high demand from the fast-growing plants
- 3 The forest floor conditions allow for quick decomposition of dead plant material
- 4 There is great biodiversity in tropical rainforests

- A 1 and 2
- B 1 and 4
- C 2 and 3
- D 3 and 4

Write the correct letter in the box.

[1]

4. Why are tropical rainforest soils considered to be amongst the poorest in the world?

[3]

5. Describe how tropical rainforests provide valuable services.

[4]

END OF QUESTION PAPER