

B1 - Adaptations Quiz

1. What term is used to describe organisms that can survive in severe conditions such as very high concentrations of salt water?

Extremophiles

2. Name two things plants compete for.

Water, space, light, minerals

3. Give two reasons why deforestation causes carbon dioxide levels in the atmosphere to increase.

Less CO₂ is absorbed by photosynthesis and machines used to clear forests release carbon dioxide during combustion.

4. Define biodiversity.

It means a range of different species.

5. Why is it important to prevent organism from becoming extinct?

Organism might produce substances that are useful to humans; it has a knock-on effect on the food chain; it is our duty to preserve organisms for future generations

6. Why are some animals brightly coloured?

To warn predators that they might be poisonous or dangerous.

7. Why is it an advantage for a tree to be triangular in shape in snowy habitats?

The snow will fall off easier.

8. Lichens are good indicators of which pollutant gas?

Sulphur dioxide

9. A kangaroo rat lives in very dry and hot deserts and does not produce urine. Why not?

To conserve water

10. Give one possible danger of spraying crops with pesticides.

The pesticide might harm other organisms, not just the pest.

11. Explain the advantage to plants of dispersing their seeds.

Reduced competition for space, light, nutrients and water.

12. Give two factors for which animals might compete.

Mate, food, water, space, status

13. During the dry season, the sand gazelle's liver and heart shrink in size. This reduces the amount of oxygen that the body needs. Suggest how needing less oxygen helps the animal to conserve water.

Breathing rate is lower so less water is lost from breath as less respiration occurs