

1. In an aquatic habitat, fish have streamlined bodies and respire underwater through their gills. However, mammals such as dolphins and whales also live in such habitats, but they do not have gills. How can they survive in aquatic habitats alongside fish?

- (a) They respire through their skin
- (b) They absorb the gases dissolved in the water they consume
- (c) They absorb gases through the membranes present in their fins
- (d) They hold their breath underwater and come up to breathe air via nostrils

2. A small lake was present at one end of a forest. Over the years, the lake dried up. What effect would this have had on the habitat and diversity of the forest?

- (a) The amphibians from the lake would start living on dry land
- (b) Absence of the lake would slowly turn the forest habitat barren
- (c) Terrestrial plants and animals would inhabit the land where the lake was
- (d) Only small terrestrial mammals would occupy the marshland left by the lake

3. A grain of wheat cannot move, photosynthesise its food or grow without conditions like soil, sunlight, water, minerals, etc. Can a seed be considered a living thing?

- (a) Yes, because it is a product obtained from plants
- (b) No, because it cannot survive on its own
- (c) Yes, because seeds can respire
- (d) No, because a seed is dormant

4. (a) Mention one adaptation present in the following animals:

- (i) In snow leopard, to protect it from cold
- (ii) In deer, to look in all directions for danger
- (iii) In fish, to help in easy movement through water
- (iv) In camel, to reduce the loss of water from body
- (v) In frog, to help them in leaping and catching prey
- (vi) In dolphins, to breathe in air by coming to the water surface

(b) Why do all living things respire?

5. (a) How do animals reproduce?

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(b) What happens when you enter a brightly lit area from a dark room? Which characteristic of living things does it show?

6. (a) What are grassland habitats? Name the plants and animals living in grassland habitats.

(b) How does camel survive scarcity of food and water for a long period of time?