

**Chapter 9**

**The Living Organisms and Their Surroundings**

Question 1. What are organisms?  
Ans. Living creature.

Question 2. What do u mean by saline?

Ans. Salty.

Question 3. Why do camels have long legs?  
Ans. Camels have long leg as to avoid the heat of the sand.

Question 4. Why camels can survive for long without water?  
Ans. Camels lose very little water from their bodies, because they urinate less and their dung is also dry. They don’t even sweat.

Question 5. How do fishes breathe under water?  
Ans. Fishes have gills which help them to use oxygen dissolved in water.

Question 6. What does adaptation mean?  
Ans. The presence of specific features which an organism to survive in its surroundings.

Question 7. What is habitat?  
Ans. The surroundings where organisms live.

Question 8. Animals and plants that live on land are said to live in \_\_\_\_\_\_.

Ans. Terrestrial habitats.

Question 9. Some examples of terrestrial habitats.

Ans. Forests, grasslands, deserts and mountain regions.

Question 10. The habitats of plants and animals that live-in water are \_\_\_\_\_.

Ans. Aquatic habitat.

Question 11. What are biotic components? Give example.  
Ans. The living things in a habitat. Example – plants and animals.

Question 12. What are abiotic components? Give example.  
Ans. The non-living things in a habitat. Example – rock, soil, air and water.

Question 13. What is germination?  
Ans. Germination is the process when a seed turns into a sapling.

Question 14. Do you think abiotic factors are important for growth of plants?  
Ans. Yes.

Question 15. Name two desert animals?

Ans. Rats and snakes.

Question 16. When desert animals come out during the night?  
Ans. This is because to stay away from the immense heat during day time.

Question 17. How desert plants are different from other plants?  
Ans. Desert plants lose very little water. This happens because most of the plants don’t have leaves or they are present in the shape of spines. Stem is also covered with a thick waxy layer to retain water.

Question 18. How does photosynthesis is carried out in desert plants?  
Ans. Stem performs the photosynthesis activity.

Question 19. Why do mountain animals have thick layer of skin?  
Ans. They have thick skin or fur to protect them from cold.

Question 20. Why do mountain plants have sloping branches?  
Ans. Sloping branches helps the rainwater and snow to slide off easily.

Question 21. How does lion’s color help it?  
Ans. It’s light brown color helps it to hide in dry grasslands when it hunts to prey (animals to eat).

Question 22. How are the eyes placed for the Lion?  
Ans. The eyes in the front of the face allow it to have a correct idea about the location of its prey.

Question 23. How does physical appearance of Deer save it from the predators?  
Ans. It has long ears to hear movements and eyes on the side to look in all directions for danger. Their speed helps them to run away from the predators.

Question 24. What is the substitute to sea animals who don’t have gills?  
Ans. They either have nostrils or blowholes.

Question 25. What is the main function of the roots of aquatic plants?  
Ans. Their main function is to hold the plant in place.

Question 26. How do underwater aquatic plants look like?  
Ans. They have narrow and thin-ribbon like leaves. leaves are often highly divided, through which the water can easily flow without damaging them.

Question 27. What is the habitat of frogs?  
Ans. Ponds, as they can stay both inside the water as well as move on land.

Question 28. Do all living things need food?  
Ans. Yes, because food gives them energy to grow. It is the major requirement to the organisms.

Question 29. Do all living things show growth?  
Ans. yes, growth seems common to all living things.

Question 30. Do all living things respire?  
Ans. Yes, respiration is necessary for all living organisms. Breathing is a part of respiration.

Question 31. Do all living things respond to stimuli?

Ans. Yes, every organism respond to stimuli in their own way.

Question 32. What do you understand by Stimuli?  
Ans. changes in our surroundings that make us respond to them.

Question 33. What is excretion?  
Ans. The process of getting rid of the wastes by the living organisms.

Question 34. What are the possible ways of reproduction by animals?  
Ans. Some animals produce their young ones through eggs. Some give birth to their young ones.

Question 35. Do plants also reproduce? How?  
Ans. Yes. Plants produce seeds which can germinate and grow into new plants. Some plants also reproduce through different parts other than seeds.

Question 36. How do plants show their movements?  
Ans. Since plants are anchored into soil they cannot move from one place to another. However, various substances like water and minerals moves from one part of the plant to other.

Question 37. Buses, cars, clouds also move but why aren’t they considered living things?  
Ans. They are not considered living because they don’t share any characteristic like plants or animals except moving. Also, living things die which these objects don’t and so that is why these are non-living things.