

1. Match the following items given in Column A with that in Column B

Column A	Column B
a) Forest	i) Adapted to dry environments
b) Desert	ii) Plants adapted to high rainfall
c) Aquatic	iii) Animals adapted to cold climates
d) Mountain	iv) Living in water
e) Grassland	v) Open area with grasses

2. Fill in the blanks with appropriate words:

- The process by which organisms take in oxygen and give out carbon dioxide is called _____.
- Organisms that can make their own food are called _____.
- Animals that eat only plants are called _____.
- The process by which plants make their own food is called _____.
- The surroundings where organisms live is known as _____.
- Desert plants have _____ leaves to reduce water loss.
- Fish have _____ to help them swim.
- The roots of plants absorb _____ and _____ from the soil.
- A habitat provides _____ and _____ to living organisms.
- Animals living in cold climates have _____ to keep them warm.

3. State whether the statements given below are True or False:

- All living organisms need food to survive. (True/False)
- Plants can move from one place to another. (True/False)
- Aquatic plants have floating leaves. (True/False)
- Animals living in deserts are adapted to conserve water. (True/False)
- Mountain habitats are characterized by hot temperatures. (True/False)
- Forests have a rich diversity of plants and animals. (True/False)
- Grasslands are covered with tall trees. (True/False)
- Cacti store water in their stems. (True/False)
- Fish breathe through lungs. (True/False)
- Frogs can live both in water and on land. (True/False)

4. Choose the correct option in the following questions:

i). Which of the following is not a characteristic of living organisms?

- a) Growth
- b) Reproduction
- c) Inertia
- d) Response to stimuli

ii). Which of the following animals is adapted to live in a desert habitat?

- a) Polar bear
- b) Camel
- c) Dolphin
- d) Frog

iii). Which of the following plants is found in an aquatic habitat?

- a) Cactus
- b) Mango tree
- c) Water lily
- d) Pine tree

iv). Which of the following is an example of a terrestrial habitat?

- a) Ocean
- b) Pond
- c) Grassland
- d) River

v). The process by which green plants make their own food using sunlight is called:

- a) Respiration
- b) Digestion
- c) Photosynthesis
- d) Excretion

5. Case Study

Read the following passage and answer the questions that follow:

Passage:

The desert is a harsh environment with extreme temperatures and scarce water. Plants and animals living in the desert have special adaptations that help them survive. Cacti store water in their thick stems and have spines instead of leaves to reduce water loss. Animals like camels have thick fur to protect them from the sun and can go for long periods without water.

Questions:

- a. What are the two adaptations of cacti mentioned in the passage?
- b. How do camels protect themselves from the sun?

6.. Why is it important for living organisms to adapt to their environment?

7. Explain how the structure of a fish helps it to live in an aquatic habitat.

8. . Draw a labeled diagram of a cactus and mark its adaptations.

9. Describe how frogs are adapted to live both on land and in water.