



INDIAN SCHOOL AL WADI AL KABIR



CLASS: VI	DEPARTMENT: SCIENCE 2023 - 2024	DATE: 22/01/2024
TEXTBOOK Q & A	TOPIC: THE LIVING ORGANISMS- CHARACTERISTICS AND HABITATS/LIVING ORGANISMS AND THEIR SURROUNDINGS	NOTE: A4 FILE FORMAT
NAME OF THE STUDENT:	CLASS & SEC:	ROLL NO.

1. What is a habitat?

[Hint: The place where an organism lives is called its habitat. Habitat means a dwelling place (a home). The habitat provides food, water, air, shelter and other needs to organisms.]

2. How are cacti adapted to survive in a desert?

[Hint: Adaptations of cactus are as follows:

i. Leaves are replaced by spines to reduce transpiration.

ii. Stems carry out photosynthesis.

iii. A thick waxy layer surrounds the stem to retain water.

iv. Roots of cactus are deeply rooted inside soil to absorb water.]

3. Fill up the blanks

(a) The presence of specific features, which enable a plant or an animal to live in a particular habitat, is called _____.

[Hint: adaptation]

(b) The habitats of the plants and animals that live on land are called _____ habitat.

[Hint: terrestrial]

(c) The habitats of plants and animals that live in water are called _____habitat.

[Hint: aquatic]

(d) Soil, water and air are the _____ factors of a habitat.

[Hint: abiotic]

(e) Changes in our surroundings that make us respond to them, are called _____.

[Hint: stimuli]

4. Which of the things in the following list are non-living?

Plough, Mushroom, Sewing machine, Radio, Boat, Water hyacinth, Earthworm

[Hint: Plough, Sewing machine, Radio and Boat are non-living things.]

5. Give an example of a non-living thing, which shows any two characteristics of living things.

[Hint: Example: car

Features

i. It can move like a living being.

ii. It needs fuel.]

6. Which of the non-living things listed below, were once part of a living thing?

Butter, Leather, Soil, Wool, Electric bulb, Cooking oil, Salt, Apple, Rubber

[Hint: Butter, Leather, Wool, Cooking oil, Apple and Rubber were once part of a living thing.]

7. List the common characteristics of the living things.

[Hint: Common characteristics of living things are as follows:

i) Respiration

ii) Food intake

iii) Response to stimuli

iv) Excretion

v) Movement

vi) Reproduction

vii) Growth

viii) Definite lifespan]

8. Explain, why speed is important for survival in the grasslands for animals that live there. (Hint: There are few trees or places for animals to hide in grassland habitats.)

[Hint: Speed is important for survival in the grasslands for animals to escape from their predators. For example, the Tiger eats deer, hence to survive, the deer has to run faster than the tiger.]

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