

Ncert Solutions Class 6 Science Chapter 9

Ncert Solutions For Class 6 Science Chapter 9 Living Organisms & Their Surroundings

1. What is a habitat?

Answer

The surrounding where a living organism lives is called its habitat.

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

Answer

Adaption to survive in a desert:

- (i) Leaves are modified into spines which prevent the loss of water.
- (ii) Stem is modified into leaf like structures which store water and perform photosynthesis.
- (iii) Stem are spongy and have waxy coating which prevents transpiration.
- (iv) Roots are deep which can access water from depths.

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 _____ .
- (b) The habitats of the plants and animals that live on land are called _____ habitat.
- (c) The habitats of plants and animals that live in water are called _____ habitat.
- (d) Soil, water and air are the _____ factors of a habitat.
- (e) Changes in our surroundings that make us respond to them, are called _____.

Answer

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

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

terrestrial

habitat.

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

aquatic

habitat.

(d) Soil, water and air are the

abiotic

factors of a habitat.

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

stimuli

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4. Which of the things in the following list are nonliving?

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

Answer

Plough, sewing machine, radio, boat

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

Answer

Car (shows motion and creates sound) is an example of a non-living thing which shows two characteristics of living things.

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

Answer

Butter, leather, wool, cooking oil, apple, rubber

7. List the common characteristics of the living things.

Answer

(i) It shows growth.

(ii) Needs nutrition.

(iii) It reproduce.

(iv) It responds to stimuli.

(v) It respire.

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 grasslands habitats)

Answer

Speed is important for survival in the grasslands for animals that live there because it help them in protecting themselves from their predators. In grasslands, there are very less numbers of suitable places available there where animals can hide so speed help them in escaping from their predators.