

BCM SCHOOL
BASANT AVENUE, DUGRI ROAD, LUDHIANA
Class VI
SCIENCE
Assignment

Answer key

I. Case study

The place where organisms live is called habitat. Habitat means a dwelling place (a home). The habitat provides food, water, air, shelter and other needs to organisms. Several kinds of plants and animals live in the same habitat. The plants and animals that live on land are said to live in terrestrial habitats. Some examples of terrestrial habitats are forests, grasslands, deserts, coastal and mountain regions. On the other hand, the habitats of plants and animals that live in water are called aquatic habitats. Lakes, rivers and oceans are some examples of aquatic habitats. There are large variations among terrestrial habitats like forests, grasslands, deserts, coastal and mountain regions located in different parts of the world.

The organisms, both plants and animals, living in a habitat are its biotic components. The non-living things such as rocks, soil, air and water in the habitat constitute its abiotic components.

1. Habitat means

a) Grassland

b) Dwelling place

c) Terrestrial habitat

d) All of the above

2. Which of the following is an aquatic habitat?

a) Lakes

b) Forest

c) Oceans

d) **Both (a) and (c)**

3. Non-living things are the biotic components of a habitat.

a) True

b) **False**

4. Write a short note on biotic and abiotic components of a habitat?

Ans. In notebook

5. How terrestrial habitats are different from aquatic habitats?

Ans. **In notebook**

II. Assertion- Reason

1. Assertion: a mixture of sand and salt is partially soluble in water.

Reason: the process of separating grains from stalks is called threshing.

Ans. **D Assertion is wrong statement but reason is correct statement.**

2. Assertion – The place where organisms live is called habitat

Reason – The plants and animals that live on land are said to live in terrestrial habitats.

Ans. **B Assertion and reason both are correct statement and reason is not correct explanation for assertion.**

a) Assertion and reason both are correct statement and reason is correct explanation for assertion.

b) Assertion and reason both are correct statement and reason is not correct explanation for assertion.

c) Assertion is correct statement but reason is wrong statement.

d) Assertion is wrong statement but reason is correct statement.

III. Out of desert and aquatic plants, whose roots are almost absent?

Ans. **Aquatic plants**

IV. Write the differences between respiration and breathing.

Ans. In notebook

V. Which types of mixtures are separated by evaporation?

Ans. Soluble in water. E.g. salt dissolved in water can be separated by evaporation.

VI. Why is water a universal solvent?

Ans. Water can dissolve different kinds of substances. That is why water is commonly called as a universal solvent.