

- ## Science 2026-27

Q-6 Give two examples.

- Plants that grow on mountains -
- Components of soil-

Pine tree, fir tree
Clay, Sand

Q-7 Answer in one word.

- A state of matter that has fixed shape and fixed volume- Solid
- The part of the leaf that helps to transport substances to and from the leaf- Vein

Q-8 Answer in brief.

- What increases erosion of soil?

Ans. Strong winds heavy rainfall and cutting down of trees increase soil erosion

- List the raw materials needed by plants for photosynthesis.

Ans. The raw materials needed by plants are sunlight, water and carbon dioxide.

Q-9 Answer in detail.

- Difference between the three types of soil.

Ans. <u>Sandy Soil</u>	<u>Clayey soil</u>	<u>loamy Soil</u>
1. <u>rough and gritty</u>	1. <u>smooth</u>	1. <u>best soil rich in humus</u>
2. <u>doesn't hold much water</u>	2. <u>hold much water</u>	2. <u>allow water to pass</u>

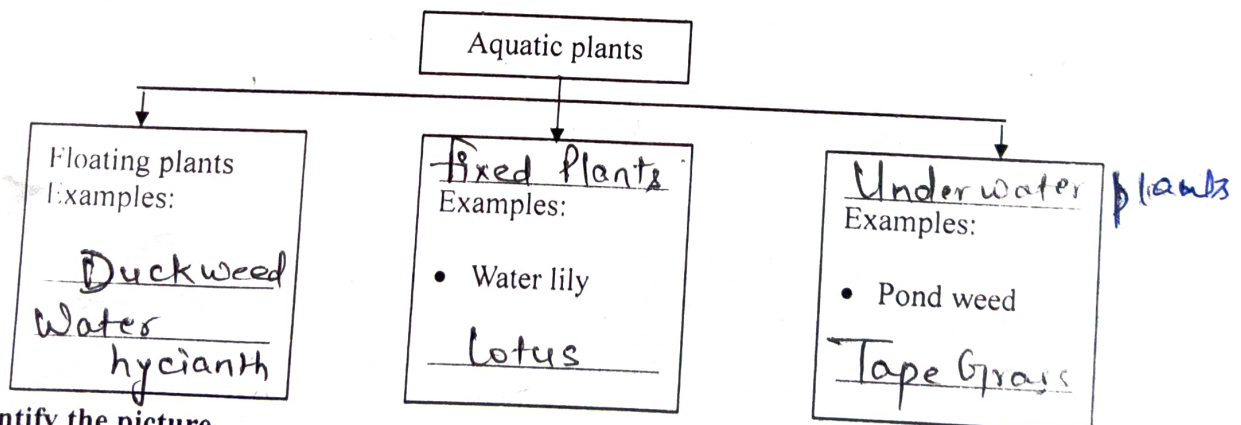
Q-10 Read the statement and choose the correct option -

Statement 1: Duckweed and water hyacinth are examples of floating plants.

Statement 2: Light and spongy stems of floating plant help them to float on water.

- Both Statement 1 and Statement 2 are correct.
- Both Statement 1 and Statement 2 are incorrect
- Statement 1 is correct but Statement 2 is incorrect.
- Statement 1 is incorrect, but Statement 2 is correct.

Q-11 Complete the mind map.



Q-12 Identify the picture.

1.



Coconut tree

2.



Bacteria

3.



Evaporation

4.



Pitcher Plant

Q-13 Think and answer.

1. Cactus plants do not have leaves.

Ans. Because it is a desert plant and leaves are reduced to spines to prevent water loss

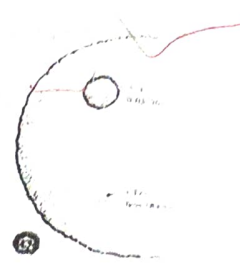
Q-14 Picture based question.

1. Which is the smallest particles present in soil?

Ans. Clay

2. Silt particles are smaller than sand particles but bigger than clay particles.

3. Soil also contains some amount of air and water.



Q-15 Read the paragraph and answer the following questions.

To survive in these different habitats, plants have special features called adaptations. Cactus plants live in deserts and have thick, fleshy stems to store water. Their leaves are changed into spines, which reduce water loss and protect the plant. Plants growing in coastal areas, such as mangroves, have special roots that help them breathe in muddy soil. Aquatic plants like lotus have broad leaves that float on water.

1. How do special roots help mangrove plants?

Ans. Mangrove plants have special roots that help them breathe in muddy soil.

2. Which plant is adapted to live in a desert?

a) Lotus.

☒ b) Cactus.

c) Mangrove

n d) Water lily

3. Aquatic plants like lotus have broad leaves that float on water.

Q-16 Draw a well-labelled diagram of process of photosynthesis.

