

# TRANSPORTATION IN ANIMALS AND PLANTS

Subtopic: Transport of substance in plants, xylem and phloem.

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## Section 1

1 Mark T for True or F for False.

1 a. Food breaks down energy to form glucose.

1 b. Water moves to the roots from the leaves.

2 Choose the correct answer.

Which of the following statements are incorrect?

- a) Plants absorb water and minerals using roots.
- b) The root has root hairs, increasing the surface area of the root.
- c) Both a and b.
- d) None of the above.

## Section 2

3 Fill in the blanks.

The \_\_\_\_\_ prepare food for the plant, using water and carbon dioxide during \_\_\_\_\_.

4 Match the following

4 a. Transport of water and nutrients - Xylem

4 b. Transport of food in all parts of plants - Phloem.

## Section 3

Answer the questions in brief.

5. What is called as vascular tissue?

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6. What is a tissue?

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7. Define xylem.

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8. Define phloem.

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## Section 4

Answer the questions in detail.

9. Explain in detail on the transport of substances in plants. Draw necessary diagrams.

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10. Differentiate between xylem and phloem in detail.

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