Basics of Botany

Botany · Answer Key · 10 Questions

1. Which part of a plant is primarily responsible for absorbing water and minerals from the soil?

A) Leaves
B) Stems
C) Roots
D) Flowers

2. What is the name of the green pigment that allows plants to perform photosynthesis?

A) Chlorophyll
B) Hemoglobin
C) Carotene
D) Melanin

3. Which gas do plants primarily absorb from the atmosphere to perform photosynthesis?

A) Oxygen
B) Nitrogen
C) Carbon dioxide
D) Hydrogen

4. Which of these is the female reproductive part of a flower?

A) Stamen
B) Pistil
C) Petal
D) Sepal

5. What do we call the process by which plants make their own food using sunlight?

A) Respiration
B) Germination
C) Photosynthesis
D) Transpiration

6. Which part of a plant typically holds the seeds?

A) Fruit
B) Leaf
C) Root
D) Stem

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7. What is the main function of the stem of a plant?

A) To absorb sunlight
B) To provide support and transport nutrients
C) To produce seeds
D) To store nitrogen

8. Which of these is an example of a deciduous tree, which loses its leaves in autumn?

A) Pine
B) Maple
C) Spruce
D) Cedar

9. What is the term for a young plant that has just started to grow from a seed?

A) Sprout
B) Flower
C) Fruit
D) Bark

10. Which part of the plant is responsible for the majority of photosynthesis?

A) Root
B) Flower
C) Leaf
D) Seed

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