

Botany Basics for Young Explorers

Botany · Practice Test · 12 Questions

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

- A) Leaves
- B) Roots
- C) Flowers
- D) Stem

2. What is the name of the green pigment that plants use to capture sunlight for photosynthesis?

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

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

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

4. What is the process by which plants make their own food using sunlight?

- A) Respiration
- B) Germination
- C) Pollination
- D) Photosynthesis

5. Which part of the plant is responsible for producing seeds?

- A) Stem
- B) Root
- C) Flower
- D) Bark

6. What do we call the early stage of a plant's life when it begins to grow from a seed?

- A) Germination
- B) Photosynthesis
- C) Pollination
- D) Dormancy

7. Which part of the plant carries water and nutrients from the roots to the leaves?

- A) Flower
- B) Fruit
- C) Stem
- D) Seed

8. What are the tiny openings on the underside of a leaf called, which allow the plant to breathe?

- A) Pores
- B) Stomata
- C) Veins
- D) Petals

9. Which of these is considered a 'non-vascular' plant because it lacks true roots, stems, and leaves?

- A) Moss
- B) Fern
- C) Oak tree
- D) Sunflower

10. What is the main function of a fruit in the life cycle of a flowering plant?

- A) To attract bees
- B) To provide shade
- C) To protect and disperse seeds
- D) To perform photosynthesis

11. Which type of plant grows back year after year from the same root system?

- A) Annual
- B) Perennial
- C) Biennial
- D) Deciduous

12. What is the primary purpose of a plant's flower?

- A) To store water
- B) To provide oxygen
- C) To attract pollinators
- D) To absorb minerals