

Essential Plant and Nature Knowledge

Plants & Nature · Answer Key · 12 Questions

1. What is the primary gas that plants absorb from the atmosphere for photosynthesis?

- A) Oxygen
- B) Nitrogen
- C) Carbon Dioxide**
- D) Hydrogen

2. Which part of a plant is mainly responsible for absorbing water and nutrients from the soil?

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

3. What is the green pigment found in plants that captures light energy for photosynthesis?

- A) Carotenoid
- B) Anthocyanin
- C) Chlorophyll**
- D) Xanthophyll

4. What is the process by which plants make their own food using sunlight, water, and carbon dioxide?

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

5. Which type of plant has seeds that are not enclosed in a fruit, such as pine cones?

- A) Angiosperm
- B) Gymnosperm**
- C) Fern
- D) Moss

6. What are the tiny pores on the surface of leaves that allow for gas exchange?

- A) Xylem
- B) Phloem
- C) Stomata**
- D) Cuticle

7. Which of these is a primary producer in most ecosystems?

- A) Lion
- B) Wolf
- C) Grass**
- D) Eagle

8. What is the term for the life cycle of a plant, from seed to maturity and reproduction?

- A) Evolution
- B) Metamorphosis
- C) Growth
- D) Development**

9. What is the function of the stem in most plants?

- A) To absorb sunlight
- B) To anchor the plant and absorb water
- C) To support leaves and transport water and nutrients**
- D) To produce seeds

10. Which part of a flower typically attracts pollinators like insects?

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

11. What is the process of water vapor being released from plant leaves into the atmosphere?

- A) Condensation
- B) Precipitation
- C) Evaporation
- D) Transpiration**

12. Which of the following is a major role of decomposers in an ecosystem?

- A) Producing oxygen
- B) Consuming other animals
- C) Breaking down dead organic matter**
- D) Capturing sunlight