

Introduction to Horticulture

Horticulture · Practice Test · 18 Questions

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

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

2. What is the process by which green plants use sunlight to synthesize nutrients from carbon dioxide and water?

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

3. Which of these is a common method of propagating new plants from an existing plant's stem?

- A) Cuttings
- B) Grafting
- C) Layering
- D) All of the above

4. What is the term for the outer covering of a seed?

- A) Cotyledon
- B) Seed coat
- C) Embryo
- D) Endosperm

5. Which essential element do plants primarily absorb from the air for photosynthesis?

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

6. What is the primary function of the flower on a flowering plant?

- A) Reproduction
- B) Water storage
- C) Photosynthesis
- D) Structural support

7. Which of these is a botanical fruit, even though it is often treated as a vegetable in cooking?

- A) Carrot
- B) Potato
- C) Tomato
- D) Lettuce

8. What is the main purpose of mulch in a garden?

- A) To add weight to the soil
- B) To retain soil moisture and suppress weeds
- C) To change the color of the flowers
- D) To repel all insects

9. What type of plant lives for more than two years?

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

10. Which mineral nutrient is most commonly associated with promoting green, leafy growth in plants?

- A) Nitrogen
- B) Calcium
- C) Iron
- D) Potassium

11. What tool is most commonly used for trimming small branches or dead flower heads?

- A) Shovel
- B) Rake
- C) Pruning shears
- D) Hoe

12. Which of these is considered a 'bulb' plant?

- A) Tulip
- B) Rose
- C) Sunflower
- D) Fern

13. What is the primary substance that gives plants their green color?

- A) Xylem
- B) Chlorophyll
- C) Pollen
- D) Nectar

14. What is the correct term for the science and art of growing fruits, vegetables, and ornamental plants?

- A) Zoology
- B) Horticulture
- C) Geology
- D) Astronomy

15. Which soil component is known for having the smallest particles and holding the most water?

- A) Sand
- B) Silt
- C) Clay
- D) Gravel

16. What is the process of removing excess or dead branches from a tree or shrub?

- A) Pollination
- B) Pruning
- C) Composting
- D) Germination

17. Which of these is an example of a tuber?

- A) Onion
- B) Potato
- C) Carrot
- D) Garlic

18. What do plants release into the atmosphere as a byproduct of photosynthesis?

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