

Horticulture Basics

Horticulture · Answer Key · 25 Questions

1. Which part of the plant grows underground and absorbs water and nutrients?

- A) Stem
- B) Root**
- C) Leaf
- D) Flower

2. What is the primary source of energy for most plants?

- A) Water
- B) Soil
- C) Sunlight**
- D) Oxygen

3. Which of these is a vegetable that grows underground as a root?

- A) Carrot**
- B) Lettuce
- C) Tomato
- D) Cucumber

4. What do plants release into the air that humans need to breathe?

- A) Carbon dioxide
- B) Nitrogen
- C) Oxygen**
- D) Helium

5. Which of these is a fruit that grows on a tree?

- A) Broccoli
- B) Apple**
- C) Potato
- D) Spinach

6. What is the green pigment in leaves that helps plants absorb sunlight?

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

7. Which term describes the process of plants losing water through their leaves?

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

8. What structure protects the seeds of a flowering plant?

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

9. Which of these garden tools is used for digging small holes?

- A) Rake
- B) Trowel**
- C) Hose
- D) Wheelbarrow

10. What is a plant that completes its entire life cycle in one growing season called?

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

11. Which gas do plants primarily absorb from the air for photosynthesis?

- A) Oxygen
- B) Carbon dioxide**
- C) Hydrogen
- D) Argon

12. What is the process called when a seed begins to grow into a plant?

- A) Germination**
- B) Pollination
- C) Fertilization
- D) Pruning

13. Which part of the plant is responsible for reproduction by producing seeds?

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

14. What is added to soil to help plants grow by providing extra nutrients?

- A) Sand
- B) Fertilizer**
- C) Rocks
- D) Water

15. Which of these is considered an evergreen tree?

- A) Maple
- B) Oak
- C) Pine**
- D) Elm

16. What kind of plant requires support to climb up a structure?

- A) Shrub
- B) Vine**
- C) Grass
- D) Tree

17. Which insect is most famous for pollinating flowers?

- A) Ant
- B) Bee**
- C) Fly
- D) Mosquito

18. What are plants that live for more than two years called?

- A) Annuals
- B) Perennials**
- C) Biennials
- D) Ephemeral

19. Which of these is the edible part of a broccoli plant?

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

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

- A) To attract pests
- B) To keep soil moist**
- C) To kill plants
- D) To provide light

21. Which of these is a succulent plant known for storing water?

A) Aloe Vera

B) Fern

C) Maple

D) Moss

22. What is the term for the study and cultivation of fruits, vegetables, and flowers?

A) Zoology

B) Geology

C) Horticulture

D) Physics

23. Which garden tool is best used for collecting fallen leaves?

A) Hoe

B) Rake

C) Shovel

D) Pruner

24. What layer of the Earth supports plant growth?

A) Bedrock

B) Soil

C) Core

D) Mantle

25. Which of these is a common herb used in cooking?

A) Basil

B) Rose

C) Tulip

D) Dahlia