

Amazing Plant Adventures

Botany · Answer Key · 25 Questions

1. What part of a plant is like a straw, sucking up water and food from the soil?

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

2. Which tiny holes on a leaf help a plant breathe in air?

- A) Petals
- B) Stomata**
- C) Pistils
- D) Pollen

3. What is the 'food factory' of a plant, usually green and flat?

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

4. Some plants have special coverings to protect their baby seeds. What are these called?

- A) Leaves
- B) Roots
- C) Fruits**
- D) Stems

5. What gives a plant its color and helps it make food from sunlight?

- A) Water
- B) Chlorophyll**
- C) Soil
- D) Air

6. Which part of a plant usually grows upwards and helps it stand tall?

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

7. What do plants need to grow besides water and soil?

A) Moonlight

B) Sunlight

C) Wind

D) Snow

8. What is the sticky powder that flowers make to help them make seeds?

A) Nectar

B) Pollen

C) Petals

D) Roots

9. When a seed starts to grow, it sends out its first little root and shoot. What is this called?

A) Flower

B) Fruit

C) Sprout

D) Leaf

10. What is the hard outer shell that protects a seed?

A) Skin

B) Bark

C) Peel

D) Seed coat

11. What part of the flower is usually bright and colorful to attract insects?

A) Stamen

B) Pistil

C) Petal

D) Sepal

12. Some plants can live for many, many years. What are these long-living plants called?

A) Annuals

B) Perennials

C) Biennials

D) Seedlings

13. What do we call the process where plants make their own food using sunlight, water, and air?

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

14. Which part of a flower helps to catch pollen?

- A) Anther
- B) Stigma**
- C) Filament
- D) Ovary

15. What is the part of the plant that holds the pollen?

- A) Stigma
- B) Anther**
- C) Style
- D) Receptacle

16. Some seeds can float on water to find new places to grow. What is this called?

- A) Wind dispersal
- B) Animal dispersal
- C) Water dispersal**
- D) Self-dispersal

17. What is the green, leaf-like part that protects a flower bud before it opens?

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

18. What is the very first stage of a plant's life after the seed begins to grow?

- A) Bud
- B) Sprout**
- C) Flower
- D) Fruit

19. What is the thick, often woody part of a plant that supports its branches and leaves?

- A) Root
- B) Vine
- C) Trunk**
- D) Flower

20. Which type of plant has a strong, woody stem and lives for many years?

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

21. What is the sugary liquid produced by flowers that attracts bees and butterflies?

- A) Pollen
- B) Sap
- C) Nectar**
- D) Dew

22. What do we call a plant that lives for only one growing season?

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

23. What is the part of the flower that makes seeds after pollination?

- A) Petal
- B) Ovary**
- C) Stamen
- D) Anther

24. What is the process called when a seed starts to grow into a new plant?

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

25. What is the term for a plant that grows on another plant but does not harm it, often using it for support?

A) Parasite

B) Epiphyte

C) Symbiont

D) Carnivore