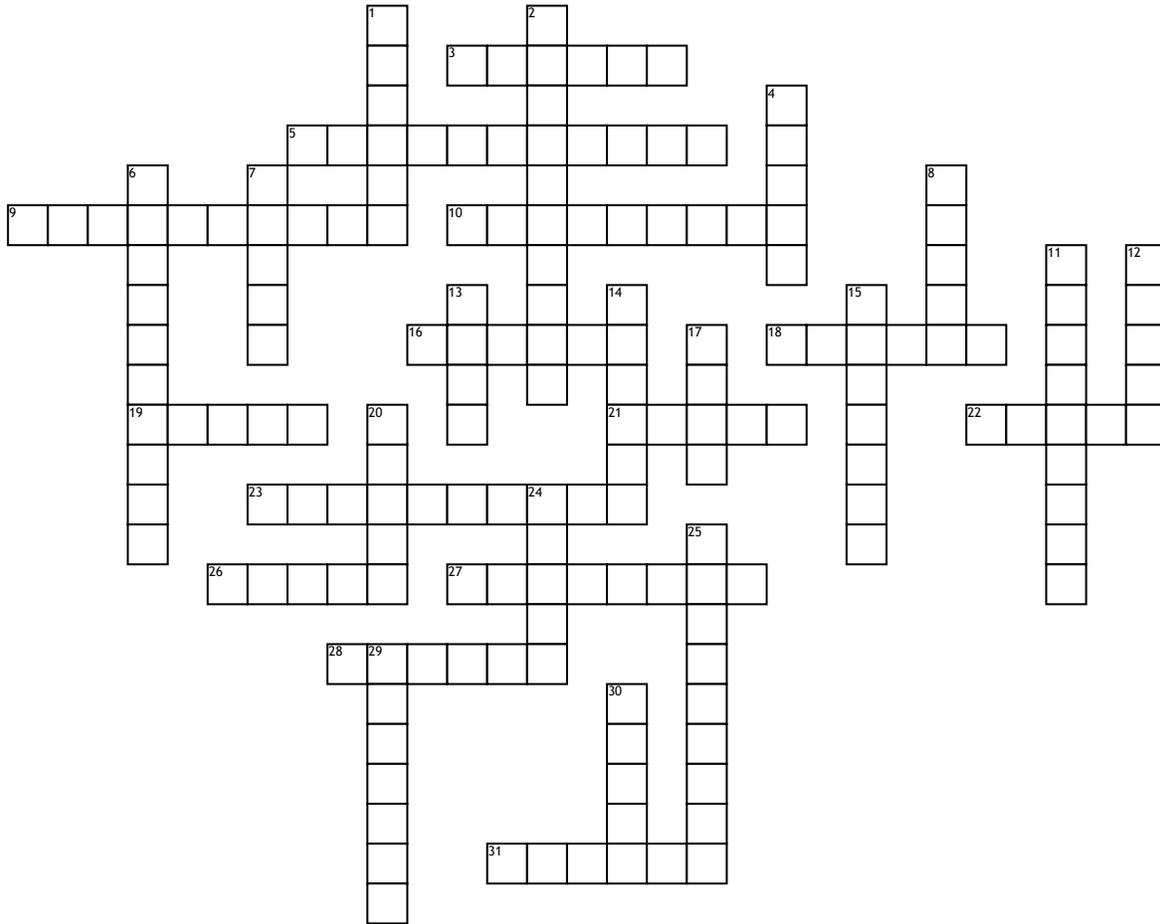


# Chapter 4 Plants Notes



## Across

3. Non-flowering plants make seeds within cones or produce \_\_\_\_.
5. \_\_\_\_: live in water and have long roots to get nutrients from the muddy bottom of ponds/lakes
9. Plant \_\_\_\_ are roots, stems, and leaves.
10. \_\_\_\_ are the first sprouts from a seed.
16. \_\_\_\_ plants have more leaves so it can gather more sunlight to produce the food that it needs to grow.
18. \_\_\_\_ form around the seeds for protection.
19. Seeds need \_\_\_\_ and warmth to germinate (grow).
21. \_\_\_\_ have stems climb and stick to different surfaces so it can reach sunlight
22. \_\_\_\_: move and store water and nutrients, and provide support and protection
23. All plants have \_\_\_\_ where they grow, mature, and die.
26. Some seed-bearing plants produce \_\_\_\_ instead of flowers.

27. Most flowers have male and female parts that work \_\_\_\_ to make seeds.

28. \_\_\_\_ has large, thick root reaches far underground to find water and keep it anchored
31. Ferns and \_\_\_\_ do not make seeds. They reproduce by making spores.

## Down

1. \_\_\_\_ live in desert, have thick stems to store water, roots spread out close to the surface to collect any rain water, thorns for protection
2. \_\_\_\_ trees are non-flowering (pine, spruce, fir, cypress).
4. fruit adaptation: \_\_\_\_ and fleshy—grapes, peaches, tomatoes (animals can easily eat and disperse the seeds)
6. \_\_\_\_ have stems grow thick and strong but remains green and flexible so it can grow towards sun
7. \_\_\_\_—live in desert, have thick, waxy covering on leaves to hold in water and roots grow deep and wide to absorb scarce water
8. Most \_\_\_\_ life cycles start with seeds.
11. Plants are classified (sorted) as \_\_\_\_ or non-flowering.

12. \_\_\_\_ have woody stems for stronger support

13. fruit adaptation: dry and/or \_\_\_\_—coconuts, pecans, pea pods

14. \_\_\_\_: produce (make) food for plants with sunlight

15. Plants produce many seeds because most don't \_\_\_\_.

17. Seeds need to be dispersed (carried away) by floating in the water, carried by the \_\_\_\_, stick to fur or clothes, or eaten by animals that deposit them elsewhere.

20. Flowering plants have \_\_\_\_ that grow flowers.

24. Seedlings grow roots to take in water and nutrients and the stem grows toward the \_\_\_\_

25. \_\_\_\_ trees lose their leaves in the winter for protection.

29. Colorful flowers can a \_\_\_\_ some animals (bees will pollinate).

30. \_\_\_\_: take in water and nutrients from the habitat and may hold the plant in place and store food/water