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Chapter 4 Plants Notes

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| **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 |