|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Chapter 4 Plants Notes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  | 1 |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 6 |  |  | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8 |  |  |  |  |  |
|  | 9 |  |  |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 11 |  | 12 |
|  |  |  |  |  |  |  |  |  |  |  |  | 13 |  |  |  | 14 |  |  |  |  |  | 15 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 16 |  |  |  |  |  |  | 17 |  | 18 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 19 |  |  |  |  |  | 20 |  |  |  |  |  | 21 |  |  |  |  |  |  |  |  | 22 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 23 |  |  |  |  |  |  | 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 25 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 26 |  |  |  |  |  | 27 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 28 | 29 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 30 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | 31 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **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  |