

Name: \_\_\_\_\_

1. For each of the sentences below, choose whether the sentence is true (T) or false (F). (Circle one for each sentence)

T or F Plants need air, water, and sunlight to survive.

T or F Droughts happen when there is too much water.

T or F Adaptations are caused by random changes to DNA.

2. Dante just moved into a new house and wants to put new grass in his yard. The area where he lives does not get much rain, so the soil is often dry. Which grass should he plant?

Dante should plant Little Bluestem / Ryegrass (Circle one) because \_\_\_\_\_.

3. Imagine a plant. It can be your favorite plant, a plant you think is beautiful, or a random plant that just came to your mind. Use the space in the box to **draw that plant** from memory. Remember: Not all scientists see themselves as artists, but biologists use drawing as a way to capture their observations!



4. Which of the following safety rules did you follow while observing plants? (Check all that apply)

☐ Did not eat plants

☐ Did not touch mystery plants

☐ Stayed on the trail

☐ Left flowers for others to enjoy

☐ Respected wildlife

☐ Left berries and fruits for animals

5. Wildfires change the environment. Which of the following answer choices is an example of how plants thrive after a wildfire? (Circle one)

A. Fires burn and damage bark which can cause a tree to stop growing

B. Heat from the fire can cause water in the plant to evaporate

C. Fires burn older plants and give more space for new wildflowers to grow

D. Ash from a fire can cover the soil and stops young plants from getting sunlight



6. Which of the following is **NOT** an example of a plant thriving during a flood? (Circle one)

A. Deep roots help a plant stay in place

B. Some plants have seeds that float and travel to new habitats

C. Some plants enter dormancy until the flood is over

D. Flood waters wash away plants with shallow roots



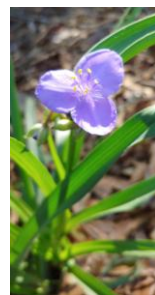
## More Ranger Reflections!

7. Pretend that you observed the three plants pictured to the right. Which plant do you think would best thrive in a garden that **did not** receive a lot of water?  
(Circle one)

Plant 1



Plant 2



Plant 3



8. Why do you think that plant you picked in question 7 above will thrive the best in a dry garden?

I think the plant I selected above will thrive in a dry garden because \_\_\_\_\_.

9. Plants have different structures that help them survive changes to their environment. The table below describes four different plants.

|         |                                                                    |
|---------|--------------------------------------------------------------------|
| Plant 1 | Sharp thorns protect this plant from being eaten                   |
| Plant 2 | Thick stems store extra water for this plant to use                |
| Plant 3 | Sticky leaves help this plant trap insects                         |
| Plant 4 | Broad, thin leaves help this plant capture more light from the sun |

Which plant will thrive best in a drought? (Circle one)

Plant 1

Plant 2

Plant 3

Plant 4

10. Mark (x) how much you agree with each statement below.

|                                                                   | Yes! | Mostly | A little | NO! |
|-------------------------------------------------------------------|------|--------|----------|-----|
| I enjoy caring for plants.                                        |      |        |          |     |
| I care about the plants I see.                                    |      |        |          |     |
| Plants are important for nature.                                  |      |        |          |     |
| Plants are important for providing food.                          |      |        |          |     |
| Plants are as interesting to explore as animals.                  |      |        |          |     |
| I am interested in learning about protecting endangered species.  |      |        |          |     |
| I am interested in learning about patterns in leaves and flowers. |      |        |          |     |
| Plants are useful to learn about.                                 |      |        |          |     |
| It is important to learn about how plants grow and reproduce.     |      |        |          |     |
| I like plants.                                                    |      |        |          |     |
| When I take a walk outside, I notice the plants around me.        |      |        |          |     |
| Being around plants makes me happy.                               |      |        |          |     |
| I would like to study plants when I grow up.                      |      |        |          |     |