

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

### Bill Nye Plants

1. Without plants there would be no \_\_\_\_\_ on earth.
2. Plants take all the \_\_\_\_\_ we breathe and all the \_\_\_\_\_ we eat.
3. Plants take energy from the \_\_\_\_\_ and make their own food in the form of \_\_\_\_\_.
4. What forms when you burn sugar? \_\_\_\_\_.
5. What forms when you burn caramel? \_\_\_\_\_.
6. What makes the special liquid change colors? \_\_\_\_\_.
7. How do we make CO<sub>2</sub> gas? \_\_\_\_\_.
8. Plants take in \_\_\_\_\_ from the air, and give off \_\_\_\_\_.
9. What does photosynthesis mean? \_\_\_\_\_.
10. What green pigment is the key to photosynthesis? \_\_\_\_\_.

### Nifty Home Experiment

11. What were the bubbles the lettuce made? \_\_\_\_\_.
12. All living things depend on \_\_\_\_\_.
13. Plants make \_\_\_\_\_ for us to breathe.
14. Where does water come from? \_\_\_\_\_.

### Consider the following

15. What adaptations do plants like apple trees have to get water? \_\_\_\_\_.
16. What is the fruit used for? \_\_\_\_\_.
17. Plants have tricks for moving their \_\_\_\_\_ around.
18. Dandelions use \_\_\_\_\_.
19. Maple trees use \_\_\_\_\_.
20. \_\_\_\_\_ is the part of the plant where seed are growing.
21. \_\_\_\_\_ is the amazing way that plants have adapted to living on earth.

### Desert plant adaptations

22. How do cacti store water? \_\_\_\_\_.

23. What do cacti have to help to protect them from animals? \_\_\_\_\_

\_\_\_\_\_

24. Poison oaks have a \_\_\_\_\_ in them that will irritate your skin.

25. Plants use \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ to make oxygen gas for us to breathe.

26. Why doesn't kelp need roots? \_\_\_\_\_

\_\_\_\_\_

27. If you burn yourself you can get oil from a \_\_\_\_\_ plant.

28. What plant can you use for a sore throat? \_\_\_\_\_

### **Way cool scientist**

29. Why do plants in the forest have vines? \_\_\_\_\_

\_\_\_\_\_

30. What are medicinal plants used for? \_\_\_\_\_

\_\_\_\_\_

31. Most plants use \_\_\_\_\_ from the sun, \_\_\_\_\_ from the rain, and \_\_\_\_\_ from the soil to make their own food.

32. An example of a plant that eats raw flies is a \_\_\_\_\_ plant.

33. What digests the flies? \_\_\_\_\_

\_\_\_\_\_

34. Describe how the Venus fly trap eats flies. \_\_\_\_\_

\_\_\_\_\_

35. What chemical in the atmosphere does this plant not get enough of from the soil? \_\_\_\_\_

\_\_\_\_\_

### **Experiment**

36. Plants make a green pigment called \_\_\_\_\_ to trap energy from the sunlight.

37. As the days get shorter the trees sense that and stop making \_\_\_\_\_.

38. Orange comes from \_\_\_\_\_

\_\_\_\_\_

39. Why can't we see the other colors like orange and yellow? \_\_\_\_\_

\_\_\_\_\_