

## **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 caramel? \_\_\_\_\_
5. What makes the special liquid change colors? \_\_\_\_\_
6. Plants take in \_\_\_\_\_ from the air, and give off \_\_\_\_\_.
7. What does photosynthesis mean? \_\_\_\_\_
8. What green pigment is the key to photosynthesis?

### ***Nifty Home Experiment***

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

### ***Consider the following***

13. What adaptations do plants like apple trees have to get water?
14. What is the fruit used for?
15. Plants have tricks for moving their \_\_\_\_\_ around.
16. Dandelions use \_\_\_\_\_.
17. Maple trees use \_\_\_\_\_.
18. \_\_\_\_\_ is the amazing way that plants have adapted to living on earth.

***Desert plant adaptations.***

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

20. What do cacti have to help to protect them from animals?

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

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

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

24. What plant can you use for a sore throat?

**Way cool scientist**

25. Why do plants in the forest have vines?

26. What are medicinal plants used for?

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

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

29. What digests the flies?

30. Describe how the Venus fly trap eats flies.

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

**Experiment**

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

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

34. Orange comes from \_\_\_\_\_.

35. Why can't we see the other colors like orange and yellow?