

Name: _____

Date: _____

Class Period: _____

BILL NYE PLANTS

1. Without plants, there would be no _____ on earth.
2. Plants make 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 CO₂ 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 that 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 seeds 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 an _____ 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 an _____ plant.
28. What plants 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 Flytrap 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. Yellow comes from _____.
40. Why can't we see the other colors like orange and yellow during the growing season?