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

SCIENCE END OF YEAR STUDY GUIDE

Directions: Use words from the box to complete the sentences.

|  |
| --- |
| Desert fruit leaves seeds energy grasslands roots shelter brain lungs heart muscles skin exercise backbone temperature seasons fog telescope soil star oceans climate instrument force  sound wave vibrate friction gravity wheels |

1. An animal is protected from harm in a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. A banana is a type of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. A carrot is useful as food because it stores \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. The parts of a plant that grow under the ground are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. Bison graze on plants found in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ where few trees grow.
6. New plants grow from \_\_\_\_\_\_\_\_\_\_\_\_\_\_ planted in the ground.
7. The parts of the plant that make food are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. Very little rain fall in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
9. Your \_\_\_\_\_\_\_\_\_\_ tells your other body parts what to do.
10. You take oxygen from the air and send it to your blood using your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
11. To keep your muscles and bones strong you should \_\_\_\_\_\_\_\_\_\_\_\_\_ each day.
12. Your \_\_\_\_\_\_\_\_\_\_\_ is your biggest body part.
13. Body parts called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ help us move.
14. Your blood is pumped around your body by your \_\_\_\_\_\_\_\_\_ muscle.
15. The nerves in your spinal cord are protected by your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
16. When you say the day is hot or cold, you are talking about the day’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
17. Water vapor that condenses at ground level makes \_\_\_\_\_\_\_\_\_\_\_\_.
18. Spring, summer, fall, and winter are \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
19. The kind of weather an area has over time is its \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
20. The sun is the closest \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the Earth.
21. If you want to see a close-up of the moon, you could use a tool called a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
22. Large bodies of water filled with saltwater are known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
23. Rocks break down and form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
24. When a string begins to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, it moves air and creates sound.
25. The force that produces heat when two objects are rubbed together is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
26. Cars are machines that roll on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
27. Energy that moves back and forth in a straight line is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
28. A violin is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_ that makes beautiful music.
29. The force that pulls objects to Earth is \_\_\_\_\_\_\_\_\_\_\_\_\_.
30. An object is moved by a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Directions: Answer the following questions in a short sentence.**

1. Draw and name the parts of the plant.
2. In which ecosystem would many tall trees grow best?
3. Which animal group do frogs and tadpoles belong to?
4. How does a bird use a tree?
5. Name a way to reduce, a way to recycle, and a way to reuse.
6. Explain the first two steps in every energy path.
7. The three tiny bones in your ears help you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. One job that bones do not do, is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
9. Why do you breathe faster when you exercise?
10. Why should you eat foods with calcium?
11. What is one way you can stay safe when you play?
12. During which season is the longest day of the year in the northern hemisphere?
13. Which of objects in space gives off light?
14. What object does not have to touch another object to move it?
15. Which of these have the least heat energy?
    1. The sun b. an ice cube c. a stove d. your body
16. How do you know an object is moving?
17. What is the difference between heat and temperature?
18. What is an example of a machine with a wheel and an axle?
19. Why do do you think God created heat energy in the beginning?