

## Science Study Guide

heat	electrical	sound	light	three-dimensional	south	copper
north	salt-water	metal	battery	poles	electricity	

1. Lightning is an example of \_\_\_\_\_ energy.
2. A television set gives off \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ energy when it is turned on.
3. What form of energy is used to light a bulb in a simple circuit?  
\_\_\_\_\_
4. The \_\_\_\_\_ of a magnet have the strongest pull.
5. If an extra \_\_\_\_\_ is added to a simple circuit the bulb becomes brighter.
6. \_\_\_\_\_ water is the best conductor of electricity.
7. A metal spoon with a \_\_\_\_\_ handle will get hot the quickest if it is placed in a pan of heated water.
8. \_\_\_\_\_ is a metal that is a good conductor of electricity.
9. Every magnet has a \_\_\_\_\_ pole and a \_\_\_\_\_ pole.
10. Magnetic fields are \_\_\_\_\_.
11. If you have two circuits, one with a piece of wood and one without which one allow the light bulb to work?
12. What will happen to the temperature of water if heat is added?

13. What happens to the light bulb if a lamp is turned on for a while?

14. What happens to a cup of ice that is placed in the sun?

15. Draw the shape of a magnetic field between the north and south poles.

16. Draw a picture of a simple circuit and label the battery, bulb, and switch.