

## Electricity Worksheet

Complete the following definitions/fill-in the blanks.

1. Electricity -

2. Battery -

3. Conductor -

4. Insulator -

5. Schematic -

6. The study of electricity began with the ancient \_\_\_\_\_.

7. Magnetic attraction was discovered by rubbing a \_\_\_\_\_ and \_\_\_\_\_ together.

8. Scientists could explain electrical charges when they found atoms were composed of negatively charged particles (\_\_\_\_\_) orbiting positively charged particles (\_\_\_\_\_) and neutrons which have no charge.

9. Silver, copper, and aluminum wire, in that order, are the best \_\_\_\_\_. Copper and Aluminum are the most commonly used because they are the least \_\_\_\_\_.

10. Some substances have very few free electrons and are therefore poor \_\_\_\_\_. These substances, such as rubber, glass, or dry wood, are called \_\_\_\_\_.

11. The force that causes electricity to move in a conductor is called \_\_\_\_\_ or electromotive force, symbolized by the letter E.

12. There are six basic ways to generate voltage. They are:

\_\_\_\_\_

13. An instrument designed to measure voltage in an electrical circuit is called a \_\_\_\_\_.