Name: \_\_\_\_\_\_\_\_ **Bill Nye Electricity viewing guide**

1. Electricity is the flow of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

2. Water and electrons flow / stop in paths called circuits.

3. Electrons travel through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ allowing us to do work.

4. Metal can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ electricity.

5. The first experiments to make electricity was in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells can produce electricity by using the light from

the sun.

7. Electrons are in the center / outside of an atom.

8. Plastic and rubber do / do not complete an electrical circuit.

9. A(n)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is an object that allows some electrons to go through it.

10. The amount of volts and amps is the number of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

11. Batteries use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_energy to make electricity.

12. In a dam, water flows through a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to make electricity.

13. Electrical \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are either direct or alternating.

14. Batteries produce a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ current.

15. The continuous flow of electricity called a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.