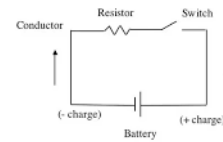


Name _____ Date _____ Period _____

Video Guide: Bill Nye - Electricity S01E18

<https://www.youtube.com/watch?v=ywHcssUjXD0>

Basic Electrical Circuit (Diagram)



1. Electricity is the flow of tiny particles called _____
2. Electrons are part of _____
3. The word circuit is an old word for “ _____ ”
4. Electrons flowing through a wire can be compared to _____ flowing through a hose.
5. Once the flow is going, we can do _____.
6. You would get shocked in a bumper car if you could touch the _____ and the _____ at the same time.
7. Keeping batteries in the _____ makes them last longer.
8. There is enough electricity coming out of a wall outlet to stop your _____
9. Solar cells convert _____ into _____
10. Electricity is the _____ of electrons when electrons jump from one atom to another.
11. Materials that allow electrons to move easily from atom to atom are called _____.
12. Materials that do not allow electrons to move easily are called _____
13. A material that lets some electrons through but not all, is called a _____
14. _____ is the force or pressure of electricity and is compared to the amount of water pressure in a hose.
15. _____ is the amount of electricity and is like the amount of water coming out of a drinking fountain.
16. The more _____, the more electrons.

17. _____ and _____ compare to pressure and flow in water
18. The combination of amps and volts makes _____.
19. Power is measured in _____ or electrical power. _____ is the term for work performed by electricity.
20. Electrons are pushed by chemical reactions like in _____ or generators.
21. Inside a battery is a long rod with a _____ around it.
22. The chemicals in a battery make electricity flow from _____ to the other.
23. When the chemicals are used up, the battery is _____
24. There is enough _____ in a wall socket to burn your skin.
25. Electric power is measured in _____
26. Electricity that changes direction is called _____ current or AC.
27. Electricity that only goes in one direction is _____ current or DC.
28. For electricity to do work, it has to flow in a complete loop called a _____
29. Plugs have two prongs because electricity has to flow in a _____.
30. It takes _____ watts to run a _____ watt light bulb.