

## Bill Nye Video: Electricity

1. Electricity is the flow of \_\_\_\_\_.
2. What is a closed path of flowing electrons called?
3. How can electricity be compared to water?
4. How does electricity flow in the electrical circuit that makes bumper cars work?
5. Why doesn't the bumper car driver get a shock sitting in the car?
6. Why does cold metal conduct better than hot metal? (Not answered in the video)
7. Approximately how much power does your brain use?
8. In Faraday's experiment what caused the compass needle to move?
  
9. Name the items the kids showed that were conductors, insulators, and a resistor.
  
10. Pressure in water is like the \_\_\_\_\_ in electricity.
11. Flow of water is like \_\_\_\_\_ in electricity.
12. What unit of power is the combination of volts and amperes is called?
13. Name the two ways electrons get pushed?
14. What would happen if you put one hand in the tank with the electric eel? Two Hands?
  
15. How does a dam produce electricity?
  
16. About how much power is produced from the Grand Coulee Dam?
17. When you make electricity rotating a coil and wire between magnets (like a generator does) what type of current is produced?
18. Why are birds safe sitting on an electric wire?
19. Why do all plugs have two prongs?