Bill Nye: Electricity Questions

ANSWER KEY

- 1. electrons
- 2. The electricity runs from the rod touching the ceiling through the electric motor in the car, then to the floor. You don't get a shock from the floor unless you could touch the ceiling at the same time (not a complete circuit otherwise).
- 3. conductors: metal spoon, beaters for electric mixer (anything metal) insulators: rubber ball, plastic, pencil (wood)
- 4. The light bulb lit up, but not as brightly.
- 5. A resistor lets some electrons go through, but not all. It's somewhere between a conductor and an insulator.
- 6. voltage
- 7. more
- 8. amps
- 9. watts
- 10. switch
- 11. To complete the circuit (electricity flows in through one prong, through the appliance, and back out through the other prong).

https://www.youtube.com/watch?v=rg-XFXdtZnQ