

## Energy Efficiency: Circuits, Insulators, and Conductors

5th Grade Volume 1

**ACROSS:**

- 6. A material that slows the flow of energy
- 7. The capacity to do work
- 8. Using energy and technology wisely; use less energy to provide the same level of performance, comfort, convenience, or light
- 9. The complete path or part of the path of an electric current
- 12. Device used to measure energy used
- 14. The origin of force or energy used to do work (ex: generator and battery)
- 15. A flow of electricity through a conductor
- 16. An incomplete path that does not allow electric current to flow
- 17. A unit of measure for electrical energy (amps x volts)

**DOWN:**

- 1. An assessment of how much energy a home consumes and the development of a plan to make the home more energy efficient
- 2. Know as a "CFL"; yields the same amount of lumens as traditional incandescent bulbs, while using 75% less energy and emitting much less heat
- 3. A material that allows the flow of energy
- 4. Traditional or "regular" light bulb
- 5. A complete path allowing electric current to flow
- 10. The brightness of a light
- 11. Force or energy used to do an amount of work over time
- 13. The flow or movement of charges

