

### Lesson 3 – Vocabulary

**Conductive** – allows for the flow of electrical current.

**Resistance** – limits or slows the flow of electrical current.

**Voltage** – potential energy that pushes electrons and allows current to flow.

**Current** – the flow of electrons.

**Dissipate** – to disappear or dispel.

- As electrical energy flows, energy is “dissipated” in the form of heat.

**Load** – the element in a circuit that dissipates electrical energy.

**Ohm’s Law** –  $A = \frac{V}{\Omega}$

- the mathematical relationship that specifies how current, voltage and resistance are related to each other in an electrical circuit.

**Multimeter** – a device used to measure multiple electrical properties, usually current, voltage and resistance.

**Short Circuit** – a circuit without a load.

**Open Circuit** – a circuit with a broken connection.

**Ground** – the point of lowest potential energy in a circuit; the 0V point.