Working Scientifically Skills



Vocabulary			
circuit	A path that an electrical current can flow around.	symbol	A visual picture that sounds for something else.
current	The flow of electrons, measured in amps.	cell/battery	A device that stores chemical energy until it is needed. A cell is a single unit. A battery is a collection of cells.
voltage	The force that makes the electric current move through the wires. The greater the voltage, the more current will flow.	resistance	The difficulty that the electric current has when flowing around a circuit.

A circuit is the path that an electrical 1 current can flow around Battery: stores chemical energy The brightness of a bulb or until it is needed volume of a buzzer depends on Current: flow of electrons measured the voltage of cells in the circuit in amps The more batteries there are in a Amps: how electric current is circuit, the brighter the bulb. measured The more bulbs there are in a Voltage: force that makes the circuit, the dimmer the light bulbs. electric current move through the The longer the wire in a circuit, wires. The greater the voltage, the the weaker the electrical current. more current will flow Resistance: The difficulty that the electric current has when flowing around a circuit A simple circuit can be made from a battery, a bulb and wires. Open For a circuit to be complete, there must be wires Closed connected to both the positive and negative ends of the power supply. Working electrical circuits require no breaks so the

lectrical current can flow all the way around If there is no wire connecting the bulb to the battery, the bulb will not light. A pencil is not a conductor of electricity, so the circuit becomes incomplete.

