

Electricity and Electric Circuits

Current Electricity

- _____
 - _____ useful for operating electrical devices because the charges do not flow _____
- _____
 - this _____ flow of electric charges from one place to another
- an electric current is useful for electrical devices as long as there is an _____ and a _____ for the electrons to flow through

Electric Circuit

Open vs. Closed Circuit

- a _____ is when a circuit is operating and current is flowing
 - ie. TV is on, light is on, etc.
- an _____ is when a circuit is NOT operating and current is NOT flowing
 - ie. TV off, light off, etc.

Direction of Current Flow

- current flows out of the _____ part of the cell through the wires (connectors), and back into the _____ part of the cell
- What causes it to happen this way?
 - negative charges build up energy and push through the wire