

B. Match each key term in the left column with its definition in the right column.

| Term | Definition |
|--------------------------------|---|
| A. terminal _____ | a circuit that contains a gap or break |
| B. switch _____ | a device used in an electric circuit to decrease the current through a component by a specific amount |
| C. open circuit _____ | location on a cell that must be connected to other components to form a circuit |
| D. electric current _____ | a resistor or any other device that transforms electrical energy into heat, motion, sound, or light |
| E. coulomb _____ | the quantity of charge that is equal to the charge of 6.25×10^{18} electrons |
| F. ampere _____ | the unit for potential difference, equivalent to one joule per coulomb |
| G. electrical resistance _____ | the difference between the electric potential energy per unit of charge at two points in a circuit |
| H. resistor _____ | a control device that can complete or break the circuit to which it is connected |
| I. load _____ | the rate of movement of electric charge |
| J. potential difference _____ | the property of a substance that hinders electric current and converts electrical energy to other forms |
| K. volt _____ | the unit of electric current, equivalent to one coulomb per second |



Goal • To help you understand circuit symbols.

What to Do

Label the circuit symbols shown below with the correct circuit component from this list:

ammeter

battery

cell

conducting wire

fuse

ground connector

lamp

motor

resistor

switch

voltmeter

wires joined

