

Measuring Current

Purpose: To determine where the switch should be placed in a circuit and to determine how the current at one point in a circuit compares to other points in the circuit.

Materials and Methods: Refer to text, Investigation 10A, pp. 326-327.

Observations/Results:

Location of Switch and Ammeter	Bulb Type (Volts, V)	Filament Diameter (small, large)	Bulb Brightness (dim, bright)	Electric Current (Amperes, A)
between positive terminal and bulb	14 V			
between negative terminal and bulb	14 V			
between negative terminal and bulb	6.3 V			

Drawings: (use pencil, ruler, labels)

1. Draw a diagram of the ammeter.
2. Draw a circuit diagram for each circuit you build.

Analyze: (#1-3)

Conclude and Apply: (#4-7)