

Activity: MIT Circuit Challenge

Materials (provided in kit)

- 1 small bulb
- 1 battery
- 1 wire

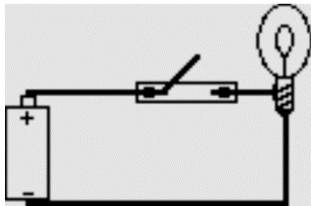
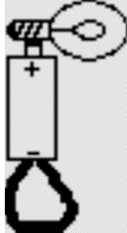
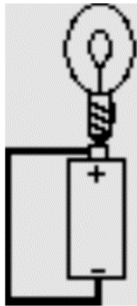
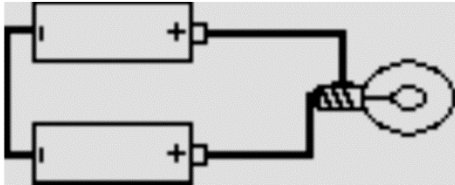
Goal: Using only the materials above, light the bulb.

Determine a list of conditions that must be met in order for the bulb to light.

Diagram of my Circuit:

Would it light?

For each of the circuits shown below, would the light bulb light? Predict, test, and then discuss with your group to determine a list of 2-3 criteria that are required for the circuit to light the bulb.

Circuit A	Circuit B
	
Would it light? Why/why not?	Would it light? Why/why not?
Circuit C	Circuit D
	
Would it light? Why/why not?	Would it light? Why/why not?

Requirements for circuit to light:

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