

Name \_\_\_\_\_

Date \_\_\_\_\_

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Investigation 2: Series and Parallel

A student wants to predict how many wires she will need before she starts building circuits. Can you help her find a pattern?

1. What if she were building series circuits with one strong D-cell and some lightbulbs?
2. What if she were building series circuits with one D-cell, a switch, and some lightbulbs?
3. What if she were building series circuits with one D-cell for every bulb she was including?
4. What if she were building a parallel circuit with one D-cell and some lightbulbs?