

Name: \_\_\_\_\_ Period: \_\_\_\_\_

# PARALLEL CIRCUIT

## Background

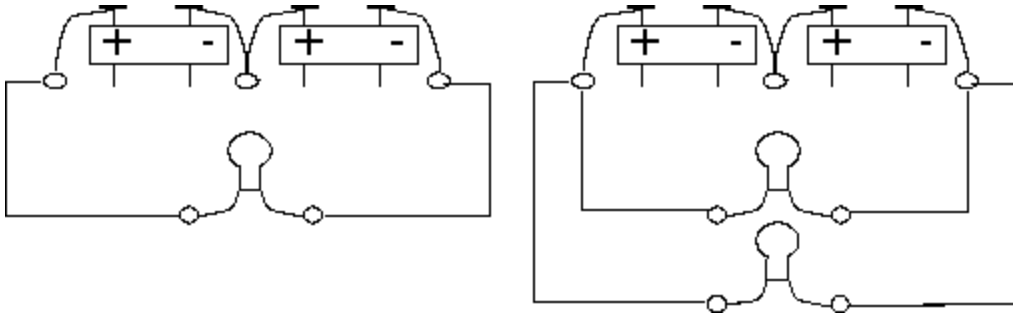
Light bulbs are in parallel if they are side-by-side. They still share the electrical energy but they affect each other differently than if they were in series.

## Materials Needed

- 2 batteries in holders
- 1 breadboard
- 2 light bulbs
- 4 wires with washers
- push pins

## Procedure

1. Connect up the simple circuit with 2 batteries.
2. Now replace the single light bulb by two in parallel as shown.



3. Remove one bulb from its socket. What happens? Why?

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4. How does the operation of this parallel circuit compare to the series circuit you worked with earlier?

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