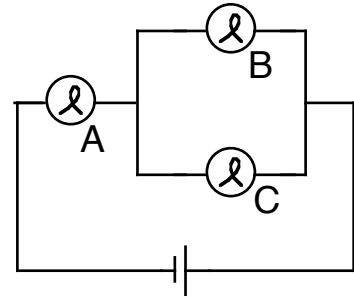


Light Bulb Circuits

For each circuit, use 3 identical light bulbs and make the circuit shown. For each question, predict what will happen, and then test it on your circuit.

Circuit 1

1. Rank the brightness of the bulbs, from brightest to dimmest.
2. What happens to the brightness of each bulb if you
 - a. unscrew bulb A?
 - b. unscrew bulb B?
 - c. unscrew bulb C?
3. What happens to the brightness of each bulb if you
 - a. short out bulb A?
 - b. short out bulb B?
 - c. short out bulb C?



Circuit 2

4. Rank the brightness of the bulbs, from brightest to dimmest.
5. What happens to the brightness of each bulb if you
 - a. unscrew bulb A?
 - b. unscrew bulb B?
 - c. unscrew bulb C?
6. What happens to the brightness of each bulb if you
 - a. short out bulb A?
 - b. short out bulb B?
 - c. short out bulb C?

