

## 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

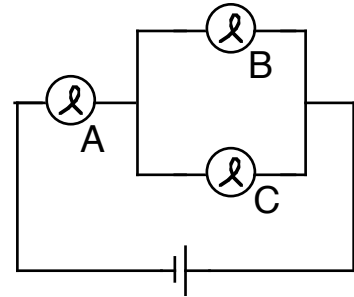
1. Rank the brightness of the bulbs, from brightest to dimmest.

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?

