

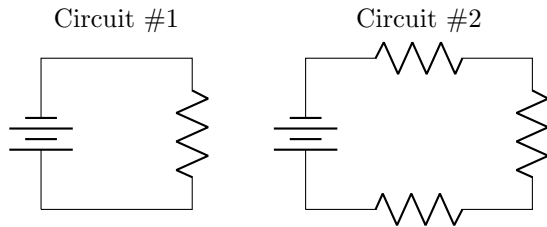
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Date: _____

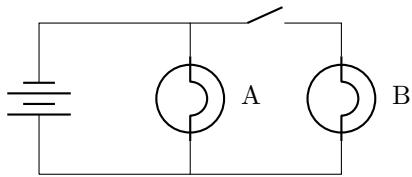
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Circuits Practice

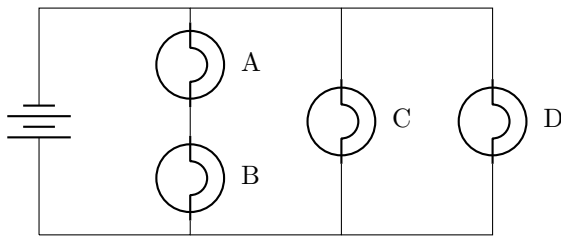
1. Which of the following circuits will have more current? How do you know?



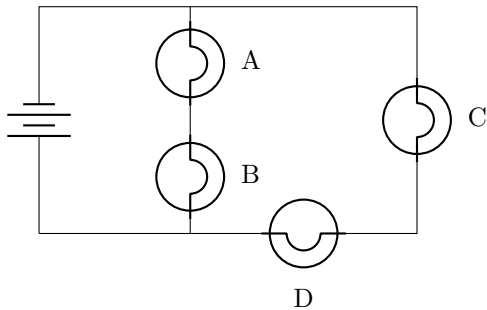
2. Consider the following circuit. Before the switch is turned on, which lights are lit?



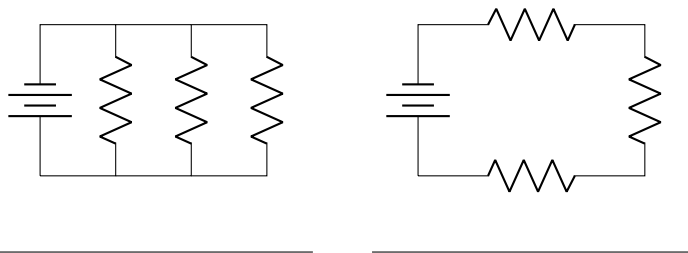
3. Consider the following circuit. If bulb A breaks, which bulbs will remain lit? Explain how you know.



4. Consider the following circuit. If bulb D breaks, which bulbs will remain lit? Explain how you know.



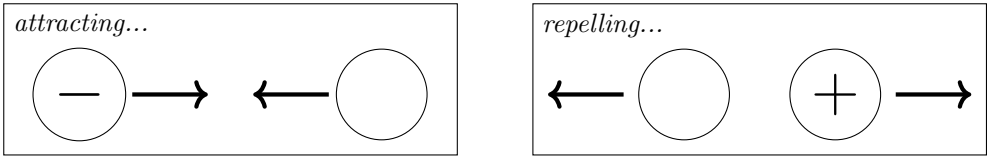
5. Label each of the following types of circuits:



6. When you remove one light from a strand of Christmas lights, all of the other lights go out. What kind of a circuit is the strand of Christmas lights?

7. Is your house wired as a series circuit or parallel circuit? How can you tell?

8. Fill in the missing charges.



9. A 1.5-volt battery is hooked up to a 10-ohm resistor. What is the current?

Knowns/Unknowns	Plug & Chug	Answer w/ Units

10. What is the voltage through a circuit that has a current of 0.5 amps and a resistance of 30 ohms?

Knowns/Unknowns	Plug & Chug	Answer w/ Units

11. What is the current through the following circuit?

Knowns/Unknowns	Plug & Chug	Answer w/ Units