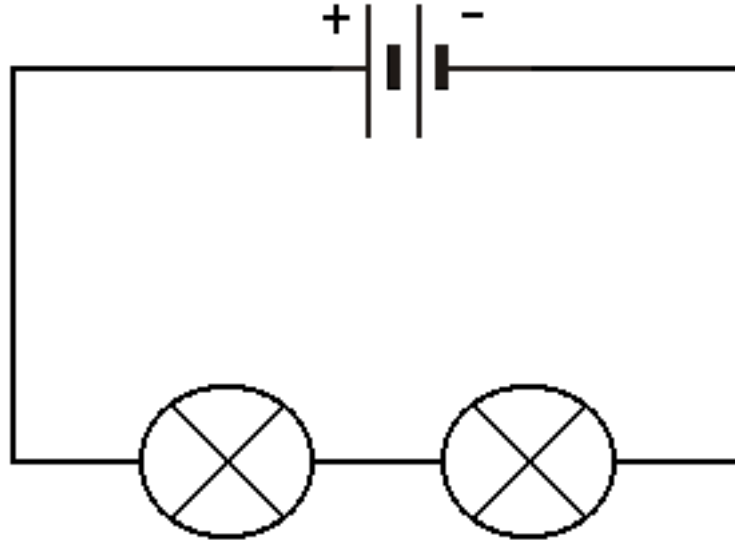


1) What do we call the flow of electrons from atom to atom within matter?

2) What do we create to control the flow of electricity?

3)

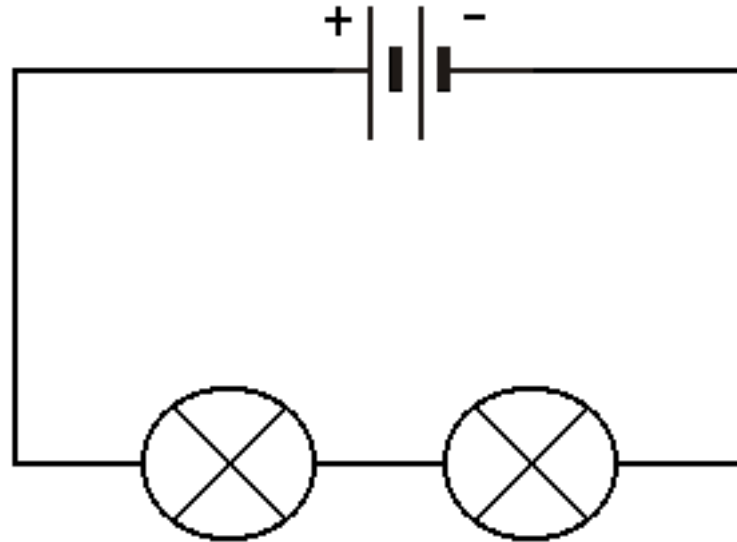
Series Circuits



What will happen with this circuit?

4)

Series Circuits



What happens if you disconnect a wire?
What about a different wire?

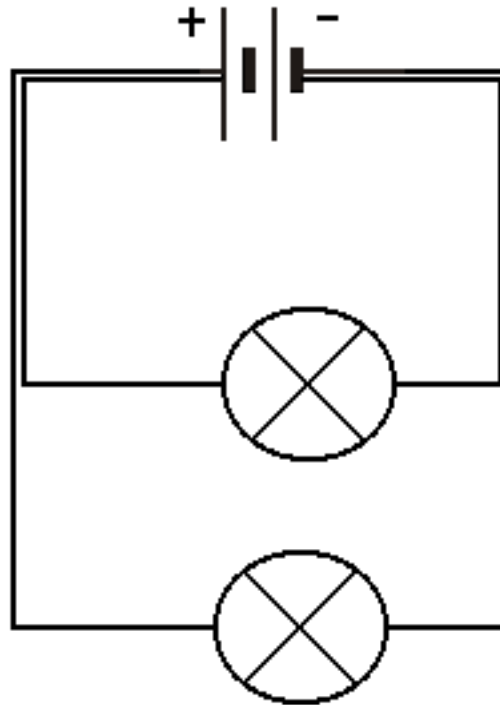
5) Describe these types of circuits.

A) An open series circuit.

B) A closed series circuit.

Parallel Circuits

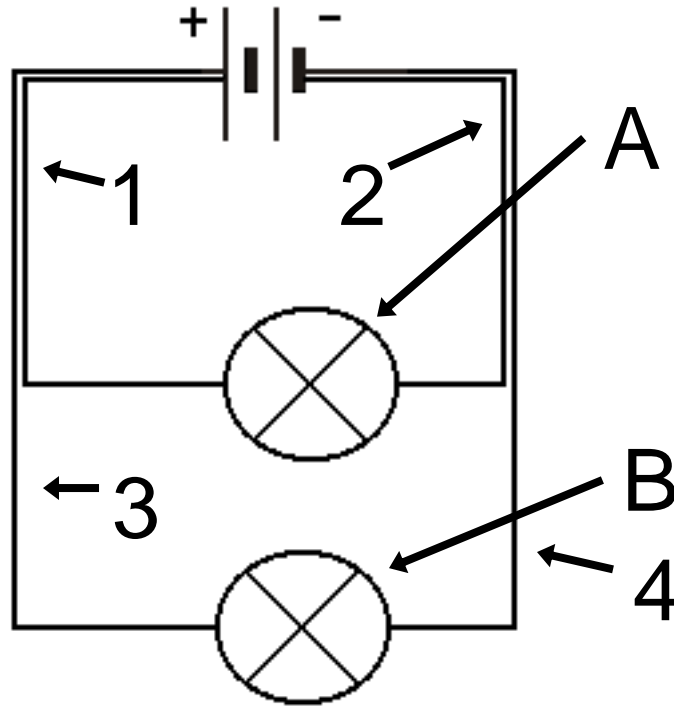
6)



What will happen with the lamps in this circuit?

Parallel Circuits

7)



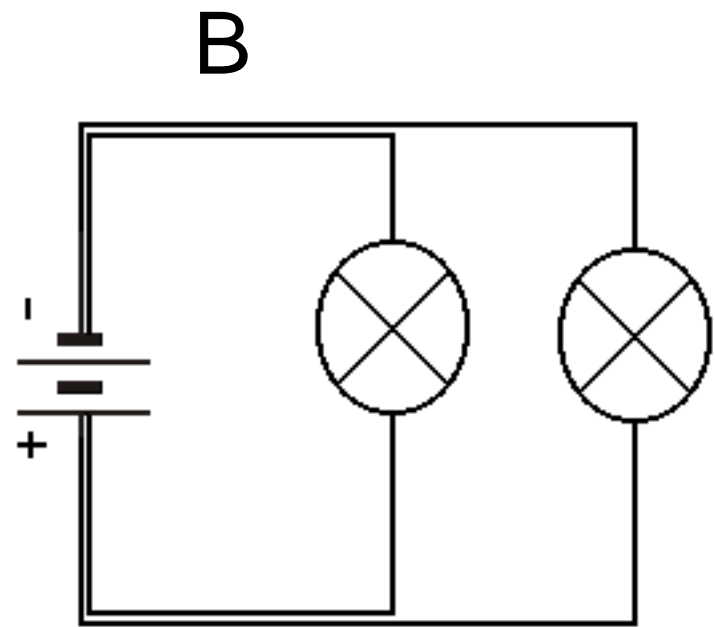
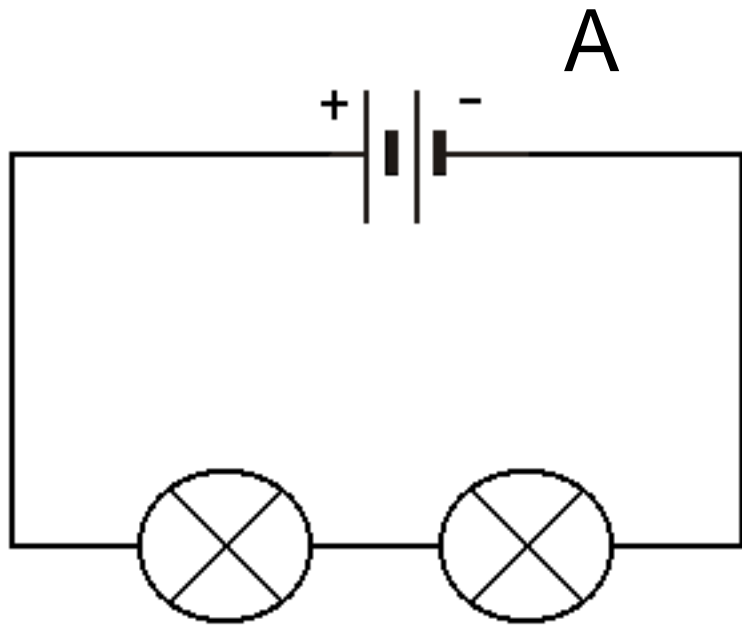
If you disconnect wires 1 or 2 what happens to light set A? What happens to light set B?

If you disconnect wires 3 or 4 what happens to light set A? What happens to light set B?

8) Describe these types of circuits.

A) An open parallel circuit.

B) A closed parallel circuit.

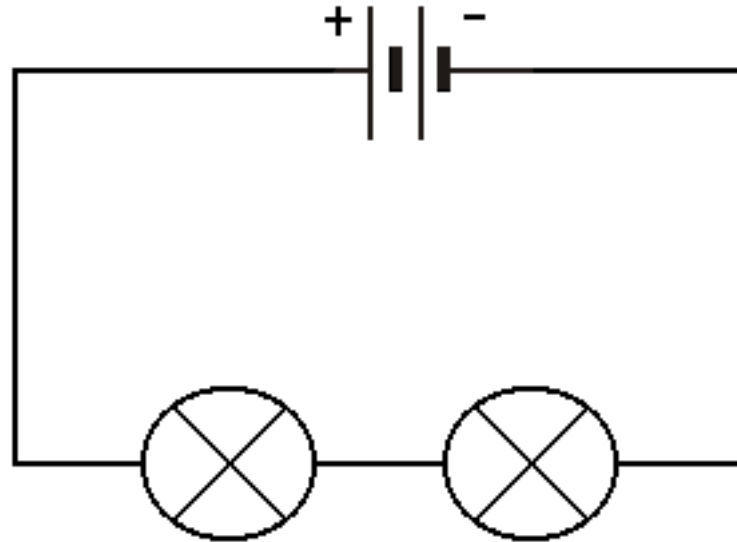


Compare the two different circuits.
How are they different?

9) Explain what you think is happening and why.

10)

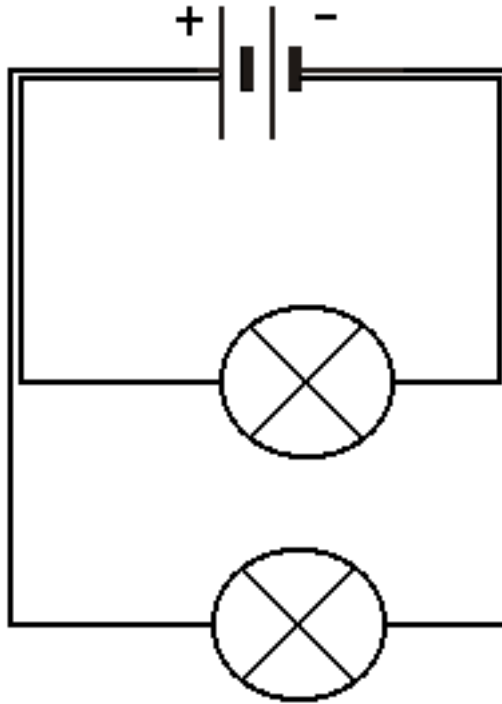
Series Circuits



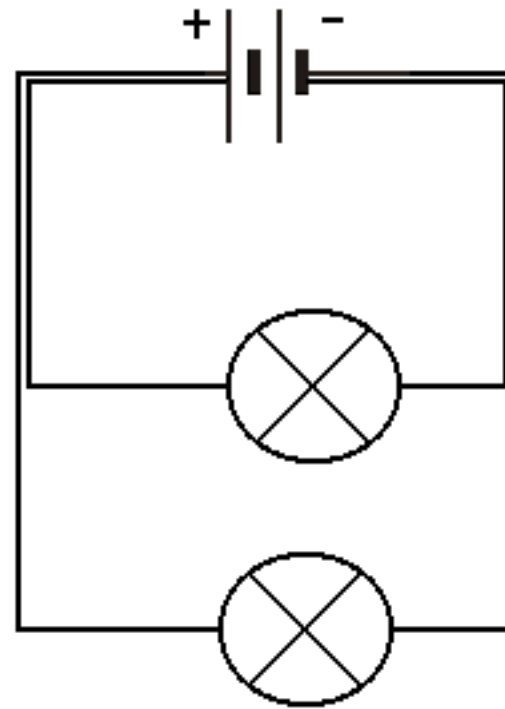
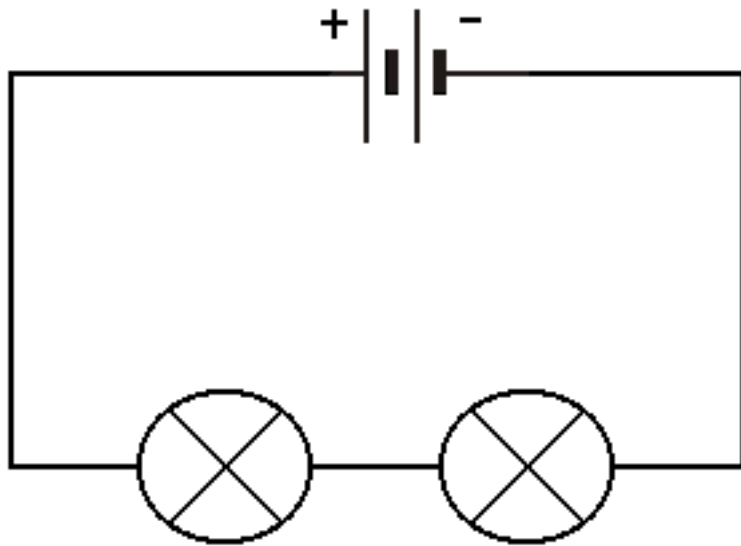
What are the advantages of a series circuit?
What are the disadvantages of a series circuit?

Parallel Circuits

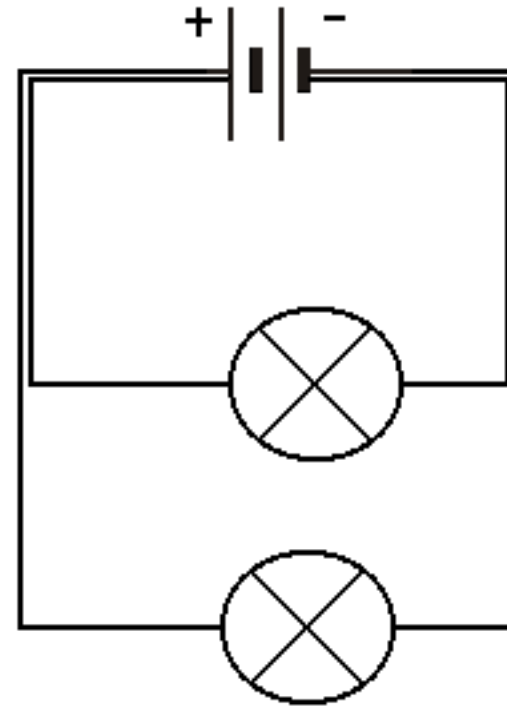
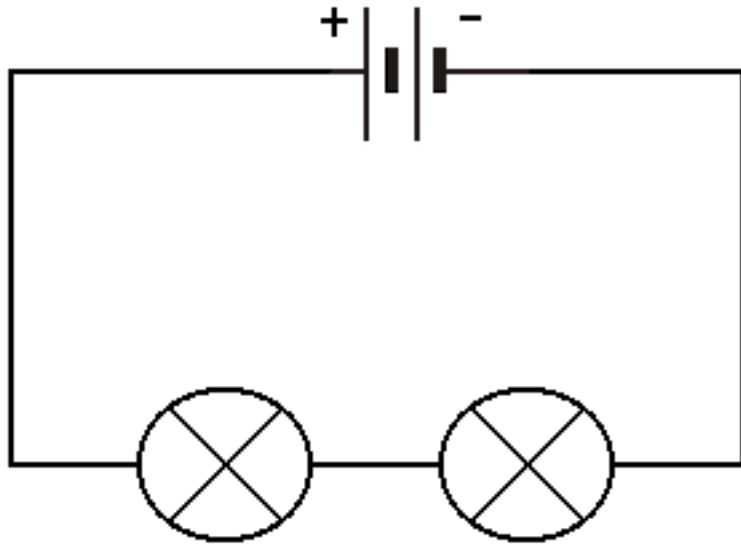
11)



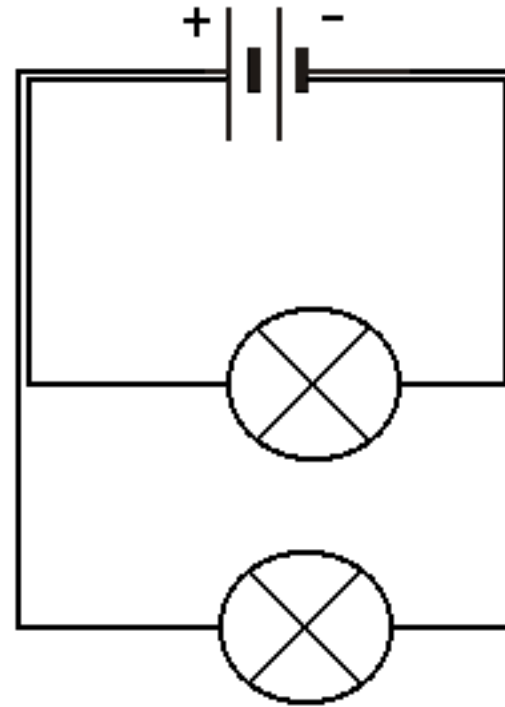
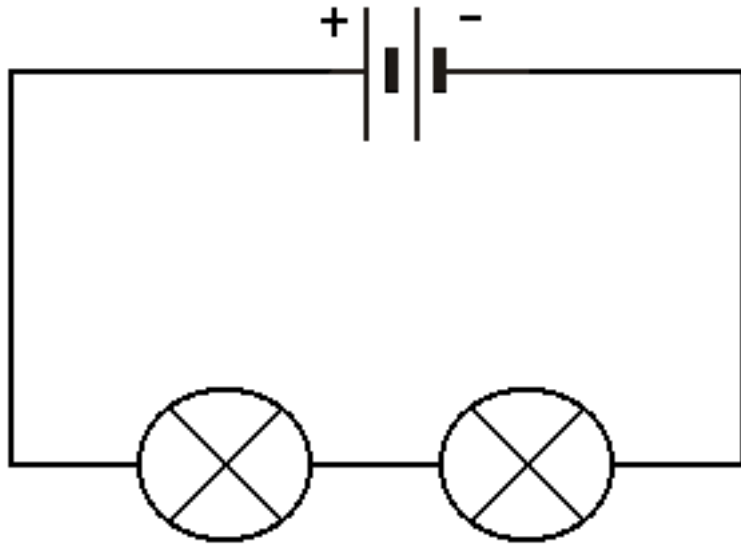
What are the advantages of a parallel circuit?
What are the disadvantages of a parallel circuit?



11) Series or parallel what does it matter? Explain.



12) Explain the purpose and usefulness of series circuits.



13) Explain the purpose and usefulness of parallel circuits.