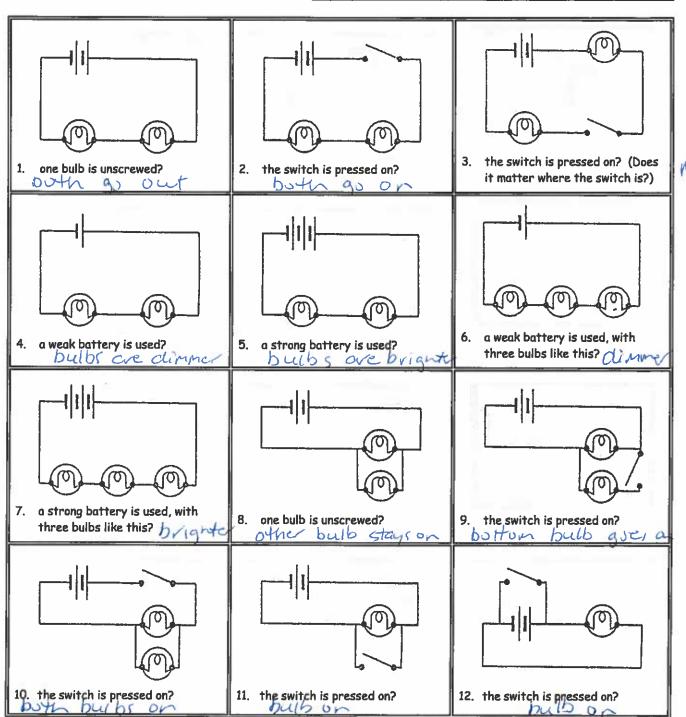
Electric circuits are used to convert electrical energy into the other forms of energy we need (heat, light, sound, ...). When the switch is closed and current is flowing, there is said to be a <u>closed circuit</u>. But what will happen when ...

TASK

Answer the following questions. If you are not sure what will happen, use the "PhET circuit construction kit (DC only)" to build and then test each circuit.

http://phet.colorado.edu/en/simulation/circuit-construction-kit-dc



NOTE: Diagrams 11 & 12 are special situations. They are known as \_\_\_\_\_\_ circuits. Because there is no electrical load to use up the energy from the battery, the circuit heats up and may become hot enough to start a fire.