

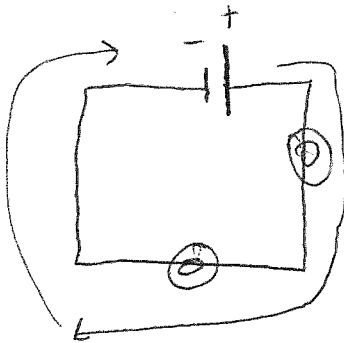
1. Describe a circuit. (Include a definition and types of circuits.) **(JUST DEFINITION)**

A CIRCUIT IS A PATH THROUGH WHICH CURRENT (ELECTRICITY) FLOWS.

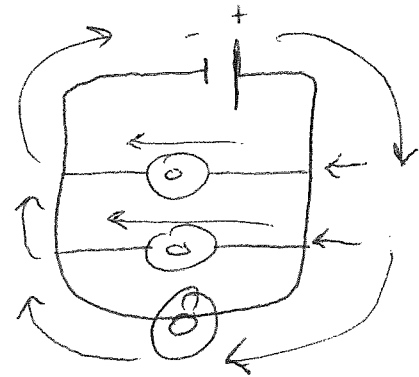
A CLOSED CIRCUIT IS ONE THAT TURNS LIGHTS ON (LETS ELECTRICITY FLOW). AN OPEN CIRCUIT IS ONE WITH A SWITCH OFF (DOES NOT LET ELECTRICITY FLOW)

2.

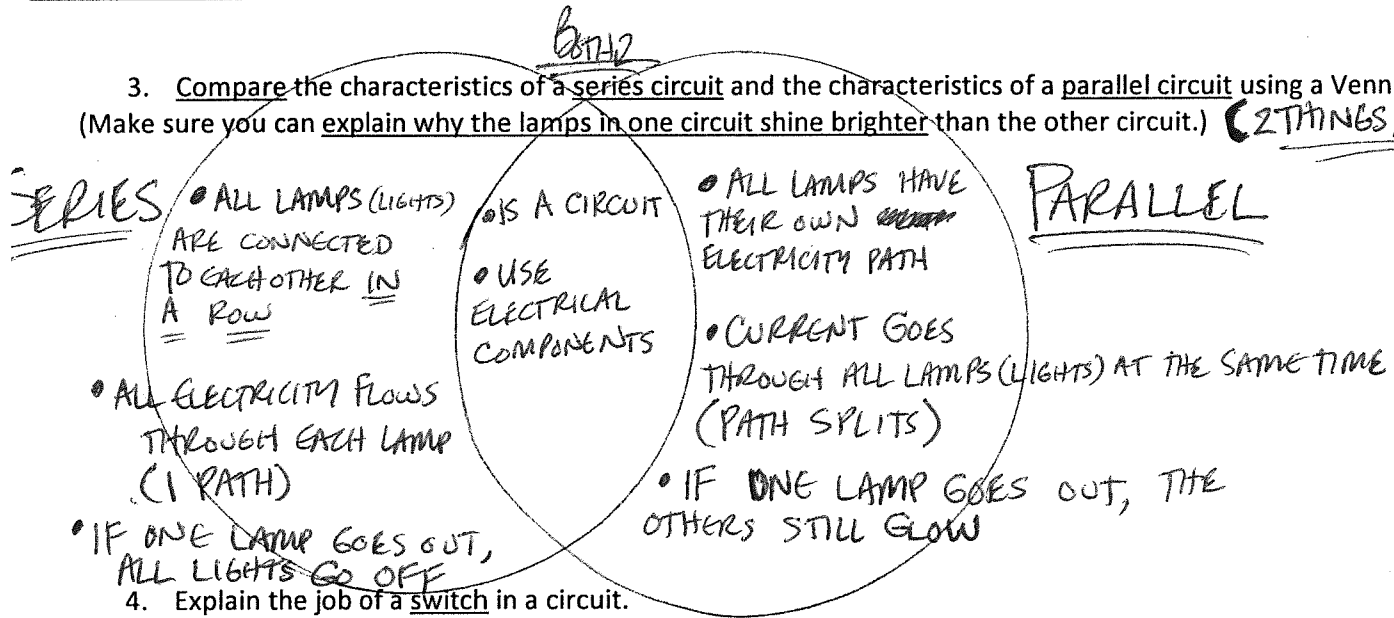
a. Draw a schematic for a series circuit with 2 lamps. (Include arrows to show electricity flow.)



b. Draw a schematic for a parallel circuit with 2 lamps. (Include arrows to show electricity flow.)



3. Compare the characteristics of a series circuit and the characteristics of a parallel circuit using a Venn diagram. (Make sure you can explain why the lamps in one circuit shine brighter than the other circuit.) **(2 THINGS / CIRCUIT)**



4. Explain the job of a switch in a circuit.

A SWITCH OPENS OR CLOSES A CIRCUIT.
 (LIGHTS OFF) (LIGHTS ON)

5. Draw a short circuit. Explain what is happening to the electricity flow to make it a "short circuit". **(EXPLANATION ONLY)**



THIS WIRE IS AN "EASIER" PATH, SO ELECTRICITY DOES NOT FLOW TO THE LAMP (LIGHT).