**DRAWING CIRCUITS ASSIGNMENT** **NAME:**

Look at the circuits below:





1. Which circuit do you think is a ***parallel circuit*** and which circuit is a ***series circuit***?

2. How are the two circuits different? Explain.

**Now, draw each of the circuits described, using proper circuit symbols.**

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| A battery running three lights and a motor in series. |
|  Three batteries running two motors in parallel. |
| Two batteries running a light and a motor in parallel. Include a switch that controls only the motor. |
| A battery running two light bulbs in series. Include an ammeter (symbol: ) that is used to measures current between the two bulbs. |
| A battery running four light bulbs in parallel. Include switches that control each light bulb and a switch that controls all the lights at once. |