1. Draw a circuit with 3 bulbs in parallel with one switch that controls all 3 at the same time.

2. Draw a circuit with 2 bulbs in series with 2 switches.

3. Draw a circuit with 3 bulbs in parallel with one switch that controls only ONE bulb. (meaning the other two stay on when you open the switch)

4. Draw a circuit with 2 bulbs in series and 2 bulbs in parallel. (no switches)

5. Draw a circuit with 3 bulbs in series and 1 switch.

6. Draw a circuit with 4 bulbs in parallel and 1 switch that controls only TWO of the bulbs.

7. Draw a circuit with 2 bulbs in series and 3 bulbs in parallel. One switch that controls only ONE bulb.

8. Draw a circuit with 3 bulbs, and 3 switches. (each light must have it’s own switch)

9. Draw a circuit with 1 bulb and 3 switches. The bulb should turn on if 2 of the switches are closed AND the bulb should turn on if only the third switch is closed.

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