**Introduction to Drawing Circuits**

Draw 4 quick circuits

You should have the different parts labeled.

1. **Draw a series circuit** with one 9 volt battery and one resistor with 1.5 Ω of resistance.

2. **Draw a series circuit** with two 1.5 volt batteries and two light bulbs, each with 3 Ω of resistance.

3. **Draw a parallel circuit** with one 1.5 volt battery, two resistors (each on its own branch), and a current of 0.5 A.

4. **Draw a parallel circuit** with three 1.5 volt battery, three resistors (each on its own branch), and 2 light bulbs. The resistors have a resistance of 2, 5, and 8 ohms respectively. One light bulb of 12 ohms resistance is placed on the branch with the 2 ohm resistor, while the other light bulb (10 ohms) is placed on the branch with the 8 ohm resistor.