**Task 1**:

Materials:

Battery

Wire

2 light bulbs (or 2 motors)

Switch

Create a circuit with 2 light bulbs (or motors). They must both go on. When one is removed, they both should go off. This is a **series circuit**.

**Task 2**:

Create a circuit with 2 light bulbs (or motors). They must both go on. When one is removed, the other one should stay on. This is a **parallel circuit.**

Materials:

Battery

Wire

2 light bulbs (or 2 motors)

**Task 3**

Materials:

Battery

Wire

2 light bulbs (or motors)

2 switches

Create a circuit with 2 light bulbs and 2 switches. Each switch should turn on its own light bulb. You can light one light bulb, the other light bulb or both light bulbs. Is this a **parallel** or **series** circuit?

**Task 4**:

Materials:

Battery

Wire

1 light bulb (or motor)

2 switches

Create a circuit with 1 light bulb and 2 switches. The bulb should light when both switches are closed. Is this a **parallel** or **series** circuit?

**Task 5**:

Materials:

Battery

Wire

1 light bulb (or motor)

2 switches

Create a circuit with 1 light bulb and 2 switches. The bulb should light when one switch is closed (the other switch is left open). Is this a **parallel** or **series** circuit?

**Task 6**

Materials:

Battery

Wire

1 light bulb (or motor)

2 switches

Create a circuit with one light bulb and a switch. The light bulb should be on when the switch is open. The light bulb should go off when the switch is closed. What kind of circuit do you think this is?