

Series and Parallel Circuits - Worksheet

Using proper symbols draw schematic diagrams for the following series and parallel circuits:

Series Circuits

Description	Diagram	Description	Diagram
A battery with two lights.		A battery with one light and two motors. Motor = M	
A cell with one light.		A cell with one lamp, two motors and a closed switch.	
A cell with one light and a closed switch before the light.		A battery with two motors and an open switch.	
A battery with one light and an open switch.		A battery with two lamps, one motor and a closed switch.	

Parallel Circuits

Description	Diagram	Description	Diagram
A battery with two lights each on their own path.		A battery with one light and two motors, each with their own path and closed switch. Motor = M	
A cell with one light and one motor each on their own path.		A cell with one lamp, two motors and a closed switch before the loads. Each load has their own path.	
A cell with two lights, each with their own path, and a closed switch before the lights.		A battery with two motors, each with their own path, and an open switch for the second motor.	
A battery with one light, a motor, and an open switch. The loads each have their own path.		A battery with two lights, one motor and a closed switch for the second light.	