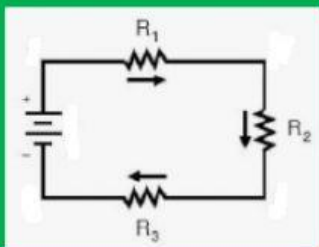

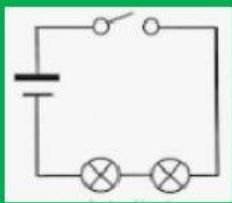
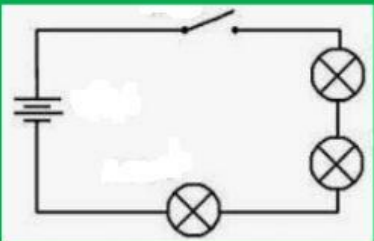
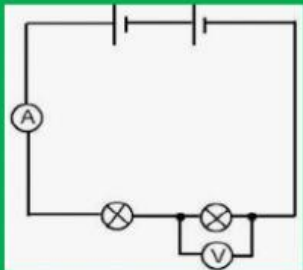
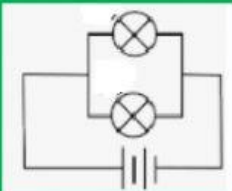
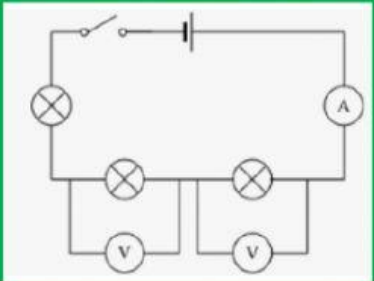
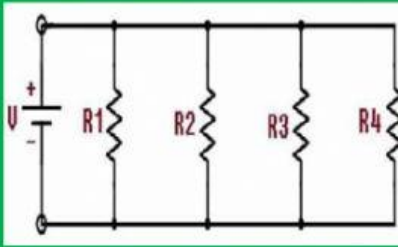
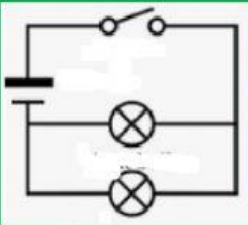


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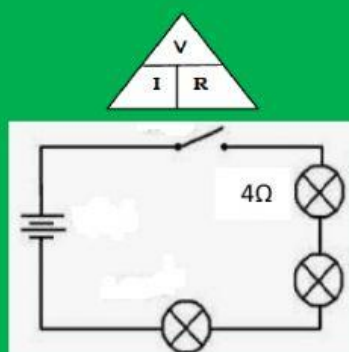
Topic: **SERIES AND PARALLEL CIRCUIT**

I. Classify each circuit diagrams into Series or Parallel.

		
1.	2.	3.
		
4.	5.	6.
		
7.	8.	9.

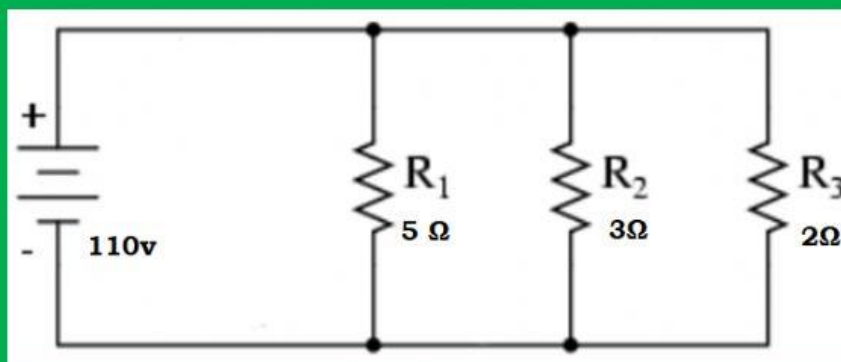
II. Three identical bulbs connected in a circuit as shown in a diagram below.

The bulbs are connected to a 24v battery.



- Calculate the total resistance of the bulbs when the switch is closed.
- Calculate the current passing through the  $4\Omega$  bulb.
- Determine the voltage passing through the one of the bulbs.

III. Three resistors are connected in a circuit as shown below.



a. Calculate the total resistance in the circuit.



b. Calculate the total current in the circuit.

c. Determine the current in each resistor.