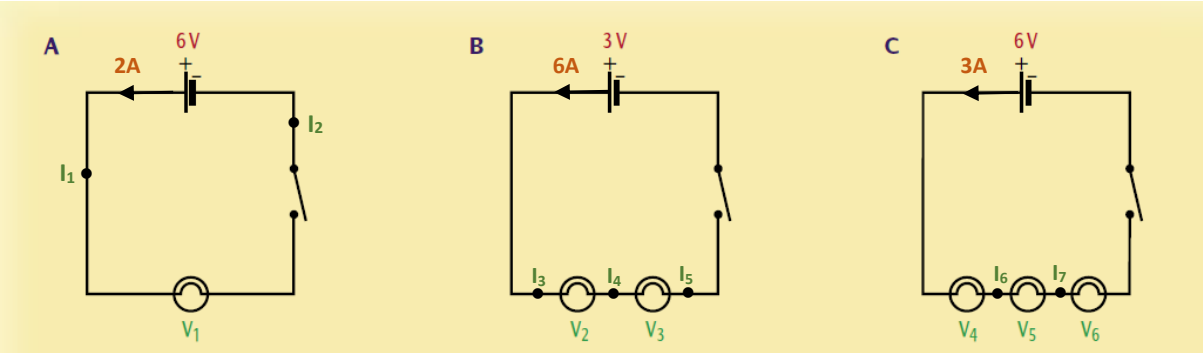


ANALYSING CURRENT (I) AND VOLTAGE (V) IN SERIES AND PARALLEL CIRCUITS

Series Circuits

For each of the below circuits (A – C), state the measured current and voltage in the table provided. Be sure to explain your answer in the space provided.

NB: Assume the switch is closed.



Circuit A	Measurement	Explanation
I <sub>1</sub>		
I <sub>2</sub>		
V <sub>1</sub>		
Circuit B		
I <sub>3</sub>		
I <sub>4</sub>		
I <sub>5</sub>		
V <sub>2</sub>		
V <sub>3</sub>		
Circuit C		
I <sub>6</sub>		
I <sub>7</sub>		
V <sub>4</sub>		
V <sub>5</sub>		
V <sub>6</sub>		

Please complete the following statements:

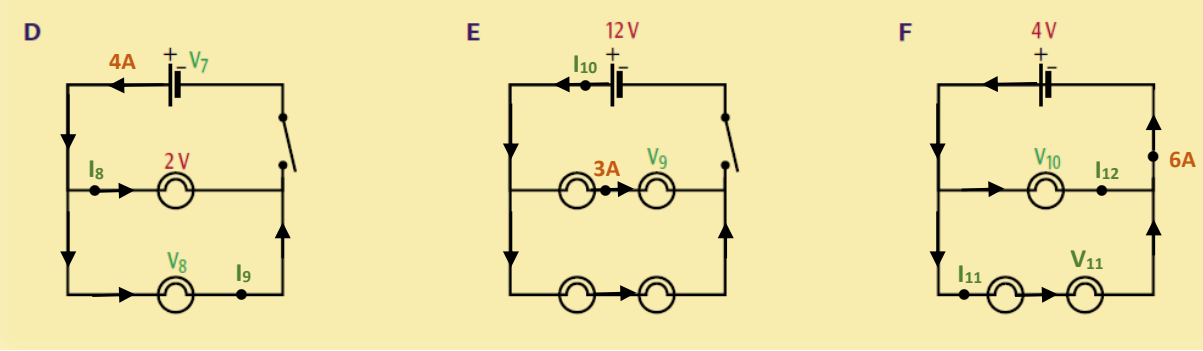
In a series circuit:

The supply voltage from the battery ...

The supply current from the battery ...

Parallel Circuits

For each of the below circuits (D – F), state the measured current and voltage in the table provided.  
Be sure to explain your answer in the space provided.  
**NB:** Assume the switch is closed.



Circuit D	Measurement	Explanation
I <sub>8</sub>		
I <sub>9</sub>		
V <sub>7</sub>		
V <sub>8</sub>		
Circuit E		
I <sub>10</sub>		
V <sub>9</sub>		
Circuit F		
I <sub>11</sub>		
I <sub>12</sub>		
V <sub>10</sub>		
V <sub>11</sub>		

Please complete the following statements:

In a parallel circuit:

The supply voltage from the battery ...

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The supply current from the battery ...

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