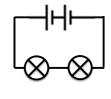
the ones in the circuit shown below.



4) In a series circuit, electrical current

A: is the same everywhere

B: decreases further from the power supply

C: is largest closes to the power supply

D: always varies with time

5) One Volt is a measurement equal to

A: 1 Joule per Coulomb

B: 1 Coulomb per second

C: 1 Volt per Ohm

D: 1 Amp per Coulomb

6) The equation that shows the relationship between current, potential difference and resistance is

A: V = I ÷ R

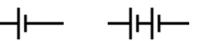
B: $V = I \times R$

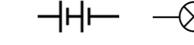
 $C: I = V \times R$

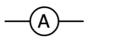
D: $R = V \times I$

Draw a diagram of an atom and label the different parts.

Name each of the components represented by these symbols.

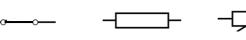






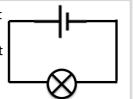






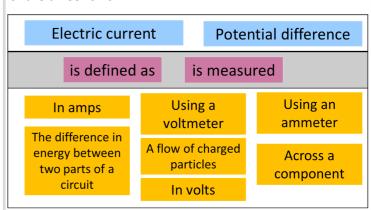
Section B

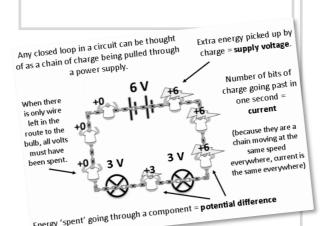
A student wants to test that a bulb is working so they build the circuit to the right \rightarrow

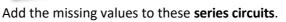


The students wants to measure the current flowing through the bulb and the potential difference across the bulb.

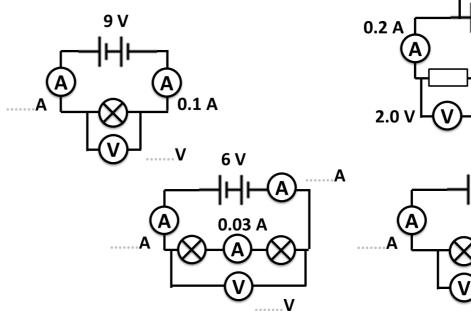
Redraw the circuit but with an ammeter and a **voltmeter** in the correct place to allow them to take these measurements. Build at least five true sentences using one part from each of the three rows.

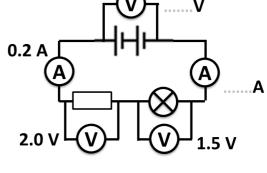


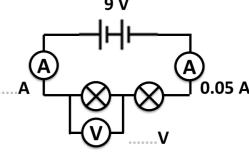




Assume bulbs in the same circuit as each other are identical.









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