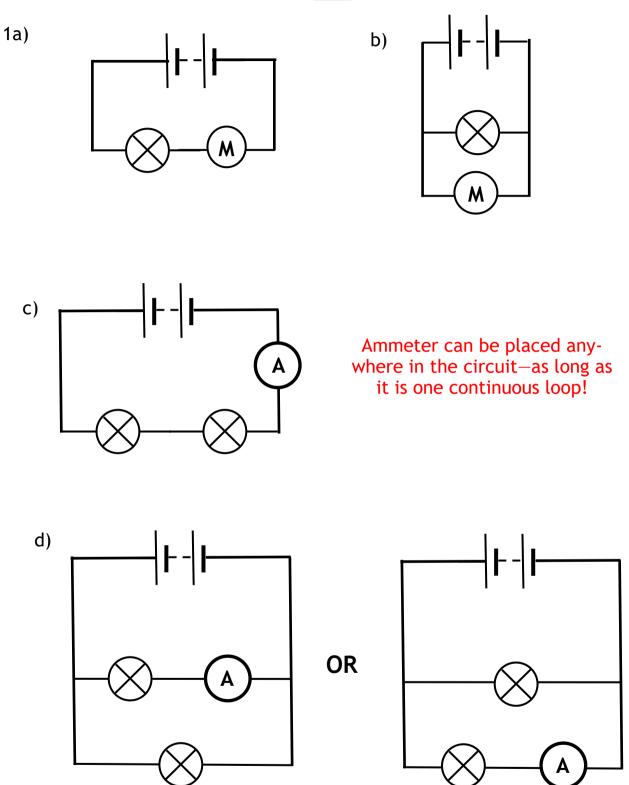


<u>Bonus Task</u>

- 1 Fuse
- 2 Variable Resistor
- 3 Light Dependent Resistor

S2 Science–Circuit Theory Answer Scheme

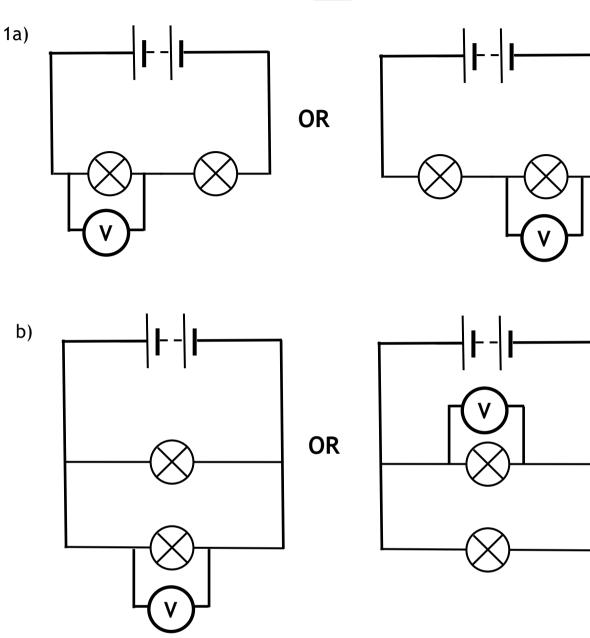
<u>Task</u>



2) In a series circuit the current is the same at all points. Current through the second bulb = 2A.

S2 Science—Voltage Marking Scheme





- 2) Voltage adds up in a series circuit. Supply voltage = $V_1 + V_2$ = 5 + 5 = 10 V
- 3) Voltage through each electrical component is the same as the battery

Voltage through bulb = Voltage across battery Supply voltage = 5V