

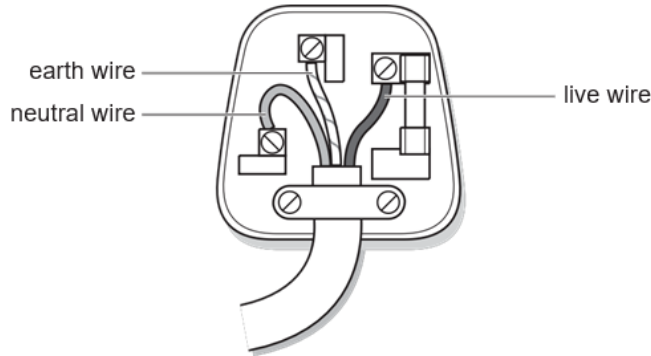
**GCSE Physics B (Twenty First Century Science)**  
**J259/01** Breadth in Physics (Foundation Tier)

**Question Set 2**

Multiple Choice Questions

1

The diagram shows the inside of a three-pin plug.



- (a) (i) Put a **tick** (✓) in the correct box in each row to show the correct descriptions of the live, neutral and earth wires.

Wire	Connected to the National Grid	Is at the same voltage as the ground
Live	✓	
Neutral		✓
Earth		✓

[2]

- (ii) Put a **ring** around the voltage between the live and neutral wires.

0V      12V      **230V**      25000V

[1]

- (b) Batteries supply direct current (d.c).

Another type of current is alternating current (a.c).

Each statement in the table below may be **true** about d.c, or **true** about a.c, or **true** for both d.c and a.c.

Put a **tick** (✓) in the correct box in each row.

	True only for d.c	True only for a.c	True for both
The current always flows in the same direction.	✓		
The domestic supply in the UK uses this.		✓	

[2]

**Total Marks for Question Set 2: 5**

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