

Solutions

Each answer shows the steps, then the **result**.

2.1

- copper is a **good electrical conductor** (and ductile)

2.2

- aluminium has a **low density** (it is light)

3.1 B

- overhead cables need **low density and good conductivity**
- A, C and D are not why aluminium is chosen

3.2

(a)

- **aluminium**

(b)

- it **resists corrosion**

3.3

- copper is a **better electrical conductor** than aluminium
- and it is **ductile**, so it can be drawn into wires