

CAIE Chemistry IGCSE 9.2 Uses of metals Flashcards

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Give the physical properties of metals







Give the physical properties of metals

- Good electrical and thermal conductivity
- Malleable and ductile
- Shiny
- Some metals have low density







Why is aluminium used for the manufacture of aircraft?







Why is aluminium used for the manufacture of aircraft?

Aluminium is used to manufacture aircrafts because it is strong and has a low density.
Low density= lightweight and easy to move around







Why is aluminium used for the manufacture of overhead electrical cables?







Why is aluminium used for the manufacture of overhead electrical cables?

- Good electrical conductivity= delocalised electrons in the structure are free to move around and carry charge
- Low density= lightweight and easy to move around

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Why is aluminium used for food containers?







Why is aluminium used for food containers

Aluminium is used for food containers as it is resistant to corrosion.







Why is copper used in electrical wiring?







Why is copper used in electrical wiring?

Copper is used in electrical wiring because it is a good electrical conductor and ductile.

Ductile= the metal is able to be stretched and pulled through a wire without breaking



