

C4 Worksheet 1

Which metal?

Metals are usually found as compounds called ores. An ore is a metal combined with oxygen or sulfur.

To get the pure metal we have to take away the oxygen or sulfur.

Metals	Method
potassium, sodium, lithium, calcium, magnesium, aluminium	use electricity to get the metal from the melted ore
zinc, iron, tin, lead, copper	heat the ore with carbon to get metal
silver, gold	unreactive metals are found alone

1. How would you get:

- a) copper from copper oxide?
- b) aluminium from aluminium oxide?
- c) iron from iron sulfide?

Challenge question

2. Metals are very useful materials.

Match up these metals with their uses.

bike handlebars	Copper is a good conductor of electricity.
step ladders	Aluminium is strong. It doesn't rust. It is light.
bridges	Chromium is a bright, shiny metal. It doesn't rust.
electrical cables	Iron is very strong.