

C1 - Metals Quiz

What is an ore?

What is a native metal?

What is smelting?

Why is copper extracted from low-grade ores?

Describe bioleaching.

Why is scrap iron used to extract copper from leachate?

Why is oxygen used to produce low-carbon steels?

Why is it more expensive to extract titanium than iron?

Iron oxide is heated with carbon inside the blast furnace. What type of reaction takes place?

What is the equation for iron oxide reacting with carbon monoxide to make iron and carbon dioxide?

Describe how aluminium is extracted from bauxite.

Why is it important to recycle aluminium cans?

What is phytomining?

What are the pros and cons of phytomining?

Describe the electrolysis of copper sulphate.

Why is it expensive to extract metals from metal ores?

Where in the periodic table are the transition metals?

Why are alloys used instead of pure metals?

Give two examples of copper alloys.

Give a use for titanium alloys.

Explain why titanium alloys are used to build fighter jets.

What are the physical properties of metals?

Why is pig iron too brittle?

Describe the blast furnace process.