

Metals & Non-Metals

Name:

Date:

INQUIRY

The Bronze Age began in China around 3000 BC. Why were metals so important for civilisation?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Metal	Shiny, conducts heat/electricity, malleable, ductile.
Non-metal	Dull, poor conductor, brittle (if solid).
Alloy	Mixture of metals (e.g. steel = iron + carbon).

Part A — Properties

1. List 5 properties of metals and 5 of non-metals in a comparison table. [5 marks]

Part B — Application

2. Korean traditional bells (e.g. the Emille Bell) are made from bronze (copper + tin). Explain why an alloy is used instead of pure copper. [3 marks]

3. The Nanjing Yangtze River Bridge uses steel, not pure iron. Explain the advantage of steel over iron. [2 marks]