

## Task 2 Compare properties of metals & non-metals

### Part A – Multiple Choice

1 Which property helps metals to be drawn into wires?

- a) Lustre
- b) Ductility
- c) Brittleness
- d) Transparency

2 Which non-metal is a good conductor of electricity?

- a) Sulphur
- b) Graphite
- c) Diamond
- d) Phosphorus

3 What happens when you hammer a metal like copper?

- a) It breaks easily
- b) It flattens into sheets
- c) It melts
- d) It becomes dull

4 Which property makes metals suitable for making cooking utensils?

- a) Poor conductivity
- b) Good heat conductivity
- c) Transparency
- d) Softness

5 Which of the following is both brittle and dull?

- a) Aluminium
- b) Iron
- c) Sulphur
- d) Copper

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**Part B – Short Answer (word bank good, electricity ,electrons)**

**6 Question:** Explain why copper is used in electric wires while wood is not.

**Expected Answer:** Copper is a \_\_\_\_\_ conductor of electricity and flexible, while wood is an insulator.

**7 Question:** How is graphite different from other non-metals?

**Expected Answer:** Graphite conducts \_\_\_\_\_ due to free-moving \_\_\_\_\_, unlike most non-metals.

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**□ Peer Assessment Criteria (Rubric):**

| Criteria      | Description                       | Points |
|---------------|-----------------------------------|--------|
| Accuracy      | Correct use of terms and examples | 5      |
| Understanding | Clear reasoning for differences   | 5      |
| Application   | Connection to real-life examples  | 5      |

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