

### Unit 3 More about matter- Metals and non- metals

**Instruction: use the notes on the topic metals and non-metals in your note book along with any other resources to answer the questions.**

1. Name some common non-metals used in our daily life.
2. List five important uses of metals.
3. In which part of the Periodic Table are the following elements:
  - a) Metals? \_\_\_\_\_
  - b) Non- metals? \_\_\_\_\_
  - c) Semi-metals? \_\_\_\_\_
4. Which metal has be used to make the wires shown in the pictures?



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Fill in the blanks

5. \_\_\_\_\_ is the only metal found in the liquid state at room temperature.
6. \_\_\_\_\_ and \_\_\_\_\_ are metals that can be cut with a knife.
7. The non-metal \_\_\_\_\_ is used in the water purification process.
8. The non-metallic element \_\_\_\_\_ is used to make coloured lights.
9. \_\_\_\_\_ is the only non-metal that is a good conductor of heat and electricity.
10. In which group of the Periodic Table are the following metals?
  - a) Sodium
  - b) Copper
  - c) Magnesium
  - d) Aluminium

11. When a metal spoon hits the ground a characteristic sound is produced and this property of metals is called :-
- malleability
  - ductility
  - sonorosity
  - conductivity
12. Sodium metal is stored in:-
- Alcohol
  - Water
  - Ester
  - Kerosene
13. Which one of the following metal is used in thermo meters?
- Copper
  - Mercury
  - Aluminium
  - Iron
14. Which of the following can be beaten into thin sheets?
- Zinc
  - Phosphorus
  - Sulphur
  - Oxygen

**Remember your Education is your Investment. The amount of effort you put in will show YOUR SUCESS.**

**Hint:** Alkali metal, are elements that make up Group 1 of the Periodic Table namely lithium(Li) sodium (Na), potassium (K), rubidium (Rb), cesium (Cs), and francium (Fr). The first three falls within the first twenty elements of the Periodic Table. Elements such as sodium (Na), Potassium (K) and lithium (Li), these elements can be cut with a knife because of their softness, and their shiny surface discolours rapidly in air due to oxidation/ corrosion. These metals must be stored under oil to prevent reaction with air.