

Chapter-2

Worksheet-1

Q.1. Which of the following can be beaten into thin sheets?

- (a) Zinc
- (b) Phosphorus
- (c) Sulphur
- (d) Oxygen

Q.2. Which of the following statements is correct?

- (a) All metals are ductile.
- (b) All non-metals are ductile.
- (c) Generally, metals are ductile.
- (d) Some non-metals are ductile.

Q.3. Fill in the blanks:

- (a) Phosphorus is a very _____ non-metal.
- (b) Metals are _____ conductors of heat and _____.
- (c) Iron is _____ reactive than copper.
- (d) Metals react with acids to produce _____ gas.

Q.4. Mark 'T' if the statement is true and 'F' if it is false.

- (a) Generally, non-metals react with acids.
- (b) Sodium is a very reactive metal.
- (c) Copper displaces zinc from zinc sulphate solution.

(d) Coal can be drawn into wires.

Q.5. Match the substances in Column A with their applications given in Column B.

Column A	Column B
(Substance)	(Application)
(i) Gold	(a) Thermometer
(ii) Iron	(b) Electric wires
(iii) Aluminium	(c) Wrapping food
(iv) Carbon	(d) Jewellery
(v) Copper	(e) Machinery
(vi) Mercury	(f) Fuel

Q.6. In the figure given below you find that the bulb glows when an iron nail is placed between two ends of wire. Complete the following sentences on the basis of this fact.

(a) _____ is metal.

(b) Metals are good _____ of electricity.

Q.7. Fill in the blanks to complete the following paragraph.

The name of the product formed in the reaction of sulphur and _____ is sulphur dioxide gas. When sulphur dioxide is dissolved in _____, sulphurous acid is formed. The sulphurous acid turns _____ litmus paper to _____.

Generally, oxides of _____ are acidic in nature.

After completing the paragraph write two questions which you can raise on the basis of this information.

Q.8. Match the substances in Column A with their applications given in Column B.

Column A	Column B
(Substance)	(Application)
(a) Oxygen	(i) For making crackers
(b) Copper	(ii) For disinfecting water
(c) Sulphur	(iii) All living beings inhale during breathing
(d) Iron	(iv) For making electric wires
(e) Chlorine	(v) For making rails

Q.9. Chlorine is used for water purification: (True/False)

Q.10. Match the following:

(a) Zinc	(i) Au
(b) Aluminium	(ii) Ag
(c) Silver	(iii) Zn
(d) Gold	(iv) Al

Q.11. What is a metal?

Q.12. Explain chemical properties of metals with examples.

Q.13. What are non-metals?

Q.14. How do metals and non-metals react with bases?

Q.15.Mention the physical properties of metals.

Q.16.Why does calcium float in water?

Q.17.What are the physical properties of non-metals?

Q.18.Explain the term 'malleability' with suitable examples.

Q.19.What is ductility? Explain with examples.

Q.20. Why aluminium is used for wrapping of food items?