



# CHEMISTRY

## BOOKS - ICSE

### METALS AND NON-METALS

#### Exercise

1. Name a metal :

that is the most malleable,



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**2. Name a metal :**

that is brittle,



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**3. Name a metal :**

as precious as gold,



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**4. Name a metal :**

that can be cut with knife,



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**5. Name a metal :**

used in making electric cables,



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**6.** Name a metal :

used as a thermometric liquid,



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**7.** Name a metal :

that is the best conductor of electricity.



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**8.** Name a non-metal that is :

a good conductor of heat and electricity,



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**9.** Name a non-metal that is :

hardest naturally occurring substance,



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**10.** Name a non-metal that is :

used to kill germs in water,



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**11.** Name a non-metal that is :

lustrous,



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**12.** Name a non-metal that is :

used for filling into electric bulbs,



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**13.** Name a non-metal that is :

used for cancer therapy,



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**14.** Name a non-metal that is :

liquid at room temperature.



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**15.** Mention two uses of the following metals

and non-metals :

(a) Iron

(b) Aluminium

(c) Gold



(d) Oxygen

(e) Iodine



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**16.** Give reasons :

Magnesium is used in fire works.



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**17.** Give reasons

Aluminium alloys are used to make aircraft

body.



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**18.** Give reasons :

Copper is used in making electric cables.



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**19.** Give reasons :

Graphite is used in the leads of pencils.



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**20.** Give reasons :

Impure diamond is used to cut glass.



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**21.** Give reasons :

Gold is mixed with copper and nickel.



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**22.** Give reasons :

Tungsten is used in electric bulbs.



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**23.** Name the metals present in the alloys

Brass



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**24.** Name the metals present in the alloys

Bronze



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**25.** Name the metals present in the alloys

Duralumin



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**26.** Name the metals present in the alloys

Stainless steel



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**27.** Give four differences between metals and nonmetals theirp

Melting point and boiling point,



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**28.** Give four differences between metals and nonmetals theirp

Conductivity of heat and electricity,



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**29.** Give four differences between metals and nonmetals theirp

Malleability



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**30.** Give four differences between metals and nonmetals theirp

Solubility



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**31.** What are metalloids?



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**32.** Give two uses of

Silicon



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**33.** Give two uses of

Antimony



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**34.** Give two uses of

Tungsten



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**35.** Give two uses of

Germanium



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**Objective Type Question Fill In The Blanks**

1. The most ductile metal is .....



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2. A metal stored in kerosene oil is .....



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3. Tungsten metal is a poor conductor of  
.....



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4. .... Is a soft metal .



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5. .... is the hardest compound known  
to us.



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6. A non-metal used to purify water is

.....



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7. A metal that gives dazzling effect to crackers when they explode is .....



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8. A chemical compound that makes up the striking heads of match stick is .....



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## Objective Type Question Match The Column

1. Match the following

### Column A

- (a) Helium
- (b) Neon
- (c) Argon
- (d) Germanium
- (e) Mercury

### Column B

- (1) Electric bulb
- (2) Thermometer
- (3) Semiconductor
- (4) Weather balloons
- (5) Advertising signboards



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## Objective Type Question True Or False

1. Silver is used to make electric cables.



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2. Iodine acts as an antiseptic in the form to tincture of iodine.



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3. Sodium can be cut with a knife.



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4. Antimony is a metal.



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5. Sand is an oxide of silicon.



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Objective Type Question Multiple Choice Questions

1. The noble gas used in advertising signboards is

A. Helium

B. Neon

C. Argon

D. Kryton

**Answer:**



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2. A metal with melting point less than  $50^{\circ}C$   
is

A. Gallium

B. Iron

C. Gold

D. Aluminium

**Answer:**



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**3.** A metal which is neither ductile nor malleable is

A. Copper

B. Silver

C. Zinc

D. Aluminium

**Answer:**



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4. Rust is a hydrated oxide of iron which is

A. Reddish brown

B. Green

C. White

D. Black

**Answer:**



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5. Aluminium is not used to make :

A. Foils

B. Wires

C. Fireworks

D. Utensils

**Answer:**



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6. A metalloid used in the manufacture of microchips used in computer is:

A. Antimony

B. Germanium

C. Silicon

D. Arsenic

**Answer:**



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7. A metalloid used to make glass :

A. Sulphur

B. Germanium

C. Silicon

D. Antimony

**Answer:**



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