

BRAIN INTERNATIONAL SCHOOL

Chemistry Assignment

Class: X

July'21

Chapter: Metals and Non-metals:

1. MULTIPLE CHOICE QUESTIONS:

- (i) Although metals form basic oxides, which of the following metals form an amphoteric oxide?
(a) Na (b) Ca (c) Al (d) Cu
- (ii) Electrical wires have a coating of an insulating material. The material, generally used is
(a) Sulphur (b) Graphite (c) PVC (d) All can be used

2. ASSERTION-REASON QUESTIONS:

Select the correct answer to these questions from the codes (i), (ii), (iii) and (iv) as given below

- (i) Both A and R are true and R is correct explanation of the assertion.
(ii) Both A and R are true but R is not the correct explanation of the assertion.
(iii) A is true but R is false.
(iv) A is false but R is true.

(a) Assertion: Silver articles become black when exposed to air.

Reason: Copper reacts with moist carbon dioxide in the air and gains a green coat.

(b) Assertion: Metals at the top of reactivity series are not formed in nature as free element.

Reason: Galvanisation is a method of protecting steel and iron from rusting.

3. Why are sodium and potassium kept under kerosene oil?
4. Name the liquid in which gold is soluble. How is this liquid prepared?
5. What do you understand by malleability and ductility?
6. Do metals generally act as oxidizing agent or reducing agent? Explain.
7. What will happen if a copper wire remains immersed in silver nitrate solution for some time? Give reason.
8. How can you test that non-metal oxides are acidic in nature? Explain with an example.

