

BRAIN INTERNATIONAL SCHOOL

Chemistry Assignment

Class: X

July'18

Chapter-3: Metals and Non-metals

- Q1. Why are sodium and potassium kept under kerosene oil?
- Q2. Name the liquid in which gold is soluble. How is this liquid prepared?
- Q3. What do you understand by malleability and ductility?
- Q4. Do metals generally act as oxidizing agent or reducing agent? Explain.
- Q5. Give the reaction involved during extraction of zinc from its ore by:
- (i) Roasting of zinc ore
 - (ii) Calcination of zinc ore
- Q6. What will happen if a copper wire remains immersed in silver nitrate solution for some time? Give reason.
- Q7. How can you test that non-metal oxides are acidic in nature? Explain with an example.
- Q8. Why should the metal sulphides and carbonates be converted to metal oxides in the process of extraction of metal from them?
- Q9. What type of chlorides are formed by metals and what type are formed by non-metals? Give reason for your answer.
- Q10. Explain five chemical properties of metals and five of non-metals. Compare them.