

Worksheet -3/6

Class –X

Subject – Science

CHAPTER – 3

METALS AND NON-METALS

- 1) What is reactivity series?
- 2) Arrange these metals in decreasing order of their reactivity
Zn, Al, Fe, Mg
- 3) What is Aqua regia? What is its use?
- 4) What is displacement reaction? Explain with suitable example.
- 5) Write four uses of non-metal.
- 6) Write balance chemical equation for reaction between aluminium and dil. hydrochloric acid.
- 7) Write balance chemical equation for reaction between aluminium and dil. copper sulphate solution.
- 8) Write balance chemical equation for reaction between copper metal and dil. aluminium sulphate solution.
- 9) Why hydrogen gas does not evolve when reactive metal added to nitric acid?
- 10) Name two metals which produces hydrogen gas when reacted with

nitric acid.

- 11) What would you observe when zinc is added to a solution of iron(II) sulphate ?write the chemical reaction that takes place.

- 12) A metal M does not liberate hydrogen from acids but reacts with oxygen to give a black colour product. Identify M and black coloured product and also explain the reaction of M with oxygen.

- 13) A solution of CuSO_4 was kept in a zinc pot. After few days the zinc pot was found to have a number of holes in it. Explain the reason in terms of reactivity. Write the equation of the reaction involved.