

## CLASS 10: Chemistry Revision Worksheet 2

Name..... Sec.....Date.....

### 2. Write balanced chemical equations and mention one significant observation when:

- (a) Sulphur dioxide is passed through hydrogen sulphide solution
- (b) Ammonium hydroxide is slowly added to copper sulphate solution first a little and then in excess
- (c) Sodium hydroxide is slowly added to iron (III) chloride solution
- (d) Sodium hydroxide is added to zinc sulphate solution
- (e) Sulphur dioxide gas is passed through barium chloride solution containing chlorine
- (f) Dilute hydrochloric acid reacts with sodium thiosulphate solution
- (g) Dilute sulphuric acid reacts with iron (II) sulphide
- (h) Sulphur dioxide is passed through chlorine water
- (i) Burning magnesium strip is introduced in the jar of sulphur dioxide
- (j) Sulphur dioxide is passed through ferric chloride solution
- (k) Excess chlorine is passed over ammonia
- (l) Ammonia is passed over heated copper oxide
- (m) Rod dipped in ammonia is brought near hydrochloric acid
- (n) Platinum is added to aqua regia
- (o) Manganese dioxide is treated with concentrated hydrochloric acid
- (p) Zinc is placed in dilute hydrochloric acid
- (q) Dilute hydrochloric acid is added to bleaching powder
- (r) Potassium permanganate is treated with concentrated hydrochloric acid
- (s) Hydrogen chloride gas is passed through silver nitrate solution
- (t) Sulphur dioxide passed through acidified solution of potassium dichromate
- (u) Ammonium hydroxide solution is added to lead nitrate solution first in little and then in excess
- (v) Ammonium hydroxide solution is added to zinc nitrate solution first in little and then in excess
- (w) Hydrogen sulphide gas is passed through lead acetate solution
- (x) Ethene is passed through bromine solution in carbon tetrachloride
- (y) Ethyne is passed through ammoniacal cuprous chloride
- (z) Ethyne is passed through ammoniacal silver nitrate