



CHEMISTRY
SUMMER VACATION HOLIDAY HOMEWORK

To write the following experiments in lab file.

Class: IX

List of experiments:

1. Preparation of:

- a. a true solution of common salt, sugar and alum
- b. a suspension of soil, chalk powder and fine sand in water
- c. a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of
 - transparency
 - filtration criterion
 - stability

Unit-I: (Chapter -2)

2. Preparation of

- a. A mixture
- b. A compound

using iron filings and sulphur powder and distinguishing between these on the basis of:

- i. appearance, i.e., homogeneity and heterogeneity
- ii. behaviour towards a magnet
- iii. behaviour towards carbon disulphide as a solvent
- iv. effect of heat

Unit-I:(Chapter-2)

3. Perform the following reactions and classify them as physical or chemical changes

- a. Iron with copper sulphate solution in water
- b. Burning of magnesium ribbon in air
- c. Zinc with dilute sulphuric acid
- d. Heating of copper sulphate crystals
- e. Sodium sulphate with barium chloride in the form of their solutions in water.