

Exercise II

1. a) Two chemicals used to kill germs in water are:

* ~~Chlorine~~ Chlorine

* Potassium Permanganate

* Sterilization water with ozone.

b) Two diseases which spread through impure water:

* Cholera

* Dysentery

c) Chemical used for loading is potash alum.

d) Minerals and carbon dioxide gas adds taste to water.

e) Methods to get safe drinking water are:

* Adding chlorine tablets

* By adding potassium permanganate crystals

2. a) River water contains mineral salts, suspended impurities like clay, sand particles, organic matter and bacteria and is not fit for drinking.

b) Tap water contains minerals, air, chlorine and other dissolved impurities that varies from place to place, therefore it is a mixture.

c) Mineral water is pure water and fit for drinking. It is collected from natural source and contains air, minerals and salts free from suspended impurities, harmful bacteria and germs.

d) Adding bleaching powder to water, kills

germs and harmful bacteria and viruses present in water.

e) Chemically pure water for laboratories is obtained by distillation. Distilled water does not contain any salt or mineral.

f) Water in swimming pool kept free from infections and germs by chlorination i.e. treating water with chlorine gas.