## Class-IX(Chemistry) MAP-3 Heavy impurities Liquid N2 boils off settle down followed by liquid O AQUAGUARD 2000 Suspended impurities separates Rusting Combustion Fractional Sedimentation cold water in distillation **Filtration** Example **CHANGES** SEPARATION OF CITY WATER Chemical SUPPLY IN MATTER GASES FROM AIR change Definition (Change in chemical Physical Characteristics properties) change Liquefaction Sterilization Purification · New product formed · Permanent and irreversible change · Energy absorbed or evolved (At high P & low T) Example Definition Condensation (Change in physical Characteristics properties)

· No new product formed

Temporary and reversible changeNo net gain or loss of energy

Removal of harmful

micro organism

Removal of dust,

gases & water vapour,