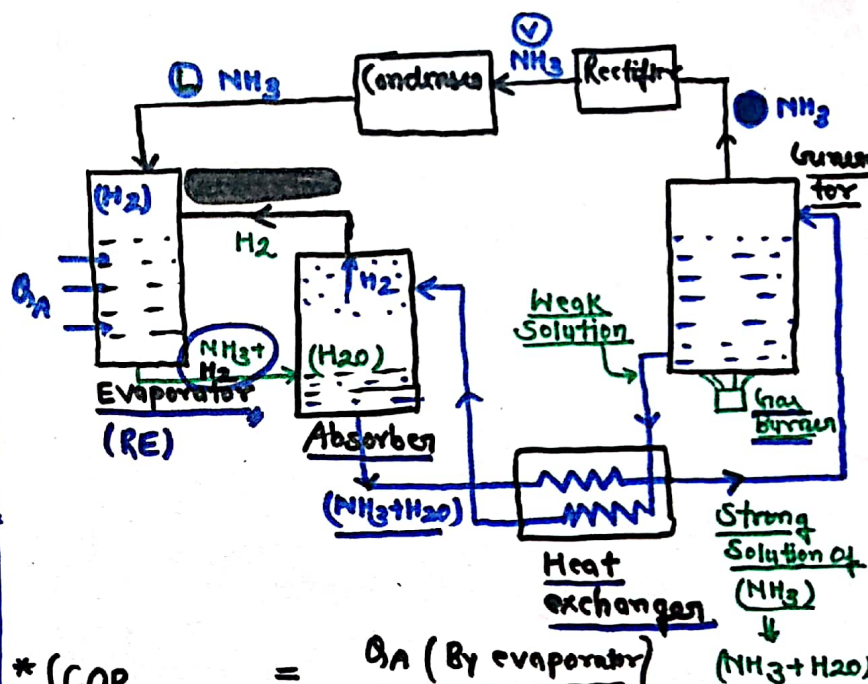


DOMESTIC ELECTROLUX REFRIGERATION SYSTEMS:- (B.P. SINGH)

(3)

- Called as Three fluid system-
 - 1- NH_3 → (Refrigerant)
 - 2- Water → (Absorber)
 - 3- Hydrogen → (For Circulation)
- NH_3 easily evaporates in presence of Hydrogen.
- Circulation is due to gravity Action.
- Burner to supply heat (Q_s)
- purpose is to eliminate the use of pump in Refrigerator to reduced noise.
- H_2 → Non-corrosive and insoluble in water.



$$* \left\{ \text{COP}_{\text{Refrigerator}} = \frac{Q_A \text{ (By evaporator)}}{Q_s \text{ (By Burner)}} \right\}$$