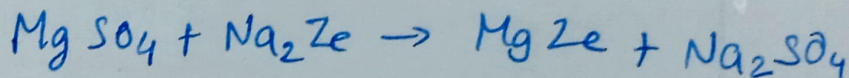
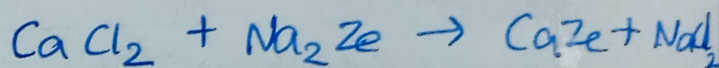
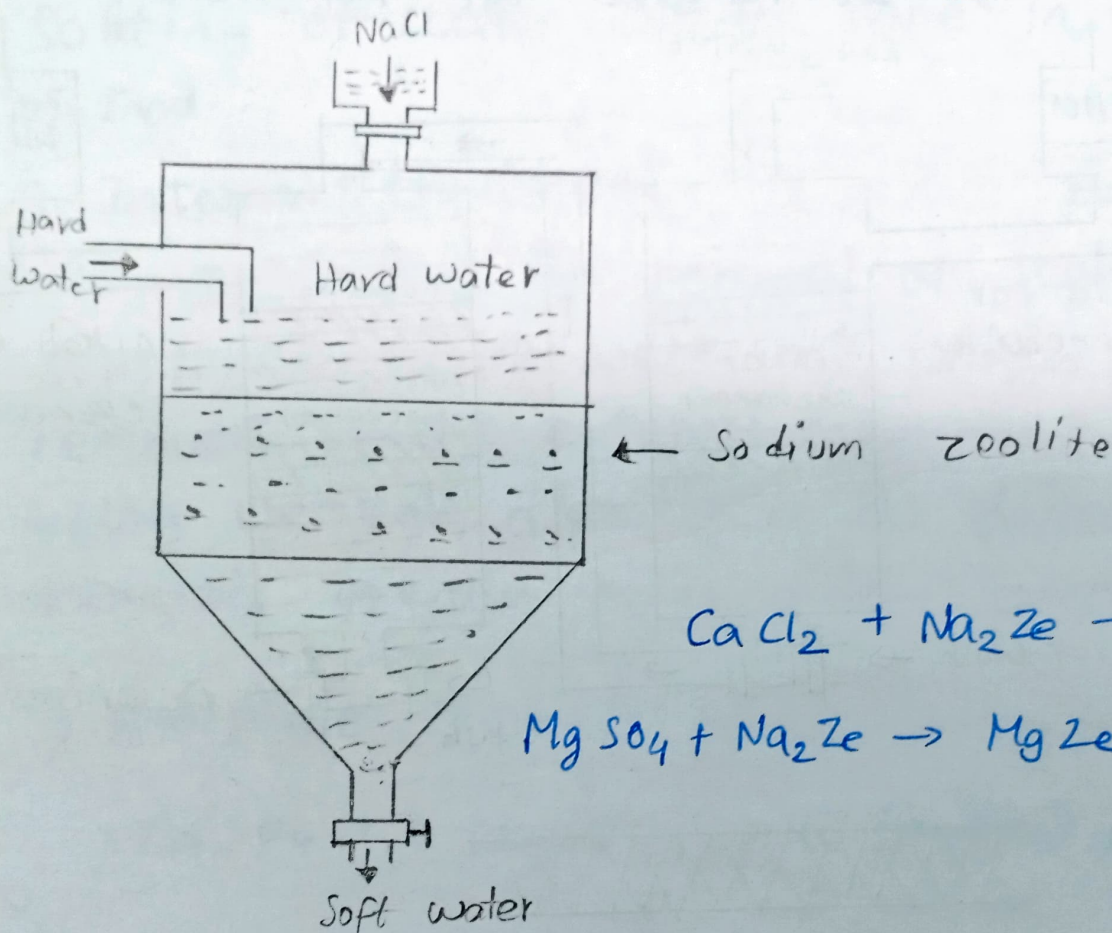


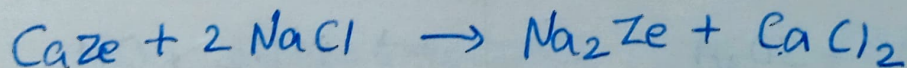
06/10/23

## 2. Zeolite (or) Permutit Process

Day 17



Regeneration :



Note : 1-2 ppm water  $\rightarrow$  Soft water



## Test - 2

1. Scale/Sludge
2. Ion exchange process

## TREATMENT OF WATER FOR DOMESTIC SUPPLY (or) MUNICIPAL WATER TREATMENT

### Step 1: Sources of water

#### I. Primary Treatment

1. Screening → removing floating materials.
2. Aeration → mixing water with air.
3. ( $\text{CO}_2, \text{H}_2\text{S}$  - removing), (ferrous, manganese)
3. Sedimentation → removes suspended impurities.
4. Coagulation. → removes silica, clay.
5. Filtration → bacteria, colour, taste, odour.

#### II. sterilisation (or) Disinfection.

to destroy → harmful bacteria.