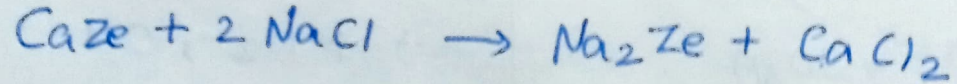


Regeneration :



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, manganous)
3. Sedimentation → removes suspended impurities.
4. Coagulation. → removes silica, clay.
5. Filtration → bacteria, colour, taste, odour.

II. sterilisation (or) Disinfection.

to destroy → harmful bacteria.