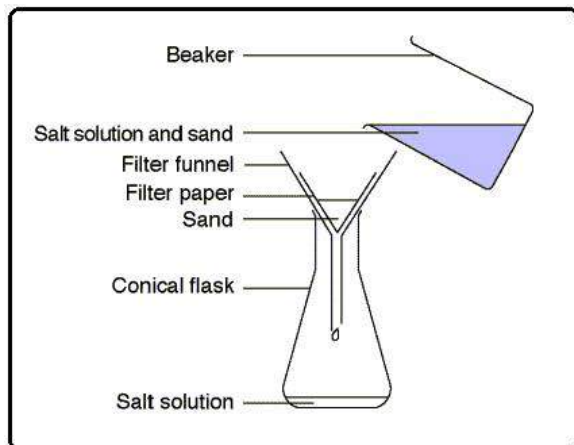


# Filtration



- **Solution:** A solution contains a solid dissolved in a solvent.
- **Solute:** The dissolved solid is called as the solute.
- **Solvent:** The liquid that dissolves the solid is the solvent.
- **Filtration:** Filtration is a method for separating an insoluble solid from a liquid.
- **Residue:** The solid that stays on the filter paper is the residue.
- If a substance does not dissolve in a solvent, we say that it is insoluble. For example, sand does not dissolve in water - it

is insoluble.

When a mixture of sand and water is filtered:

- the sand stays behind in the filter paper (it becomes the residue)
  - the water passes through the filter paper (it becomes the filtrate)
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