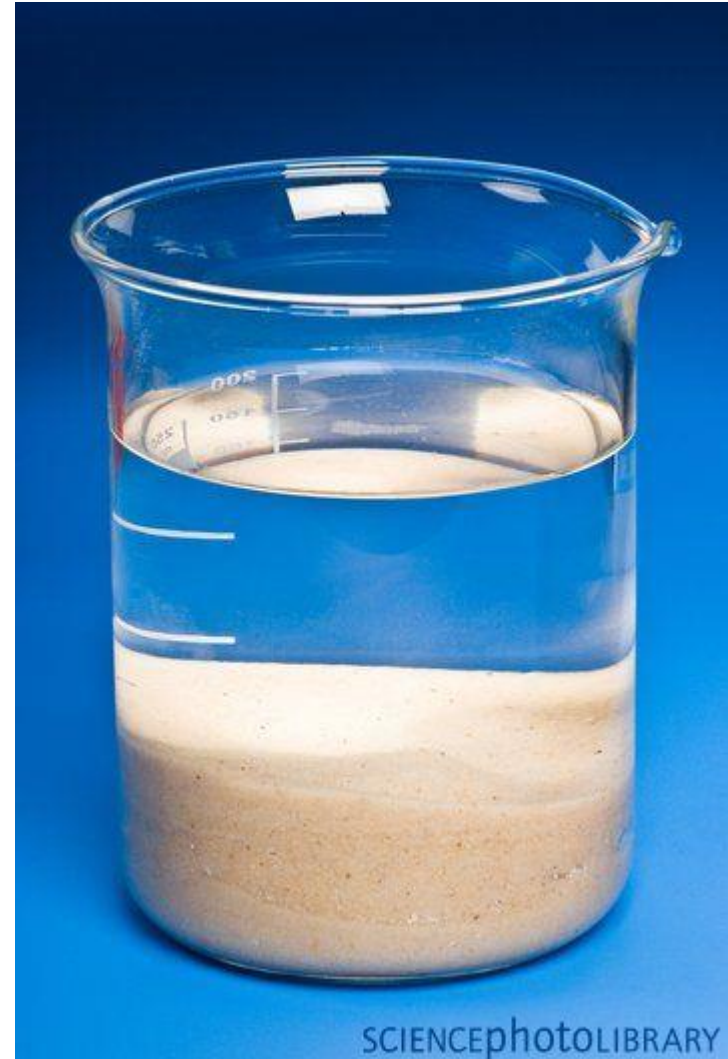


Separating mixtures

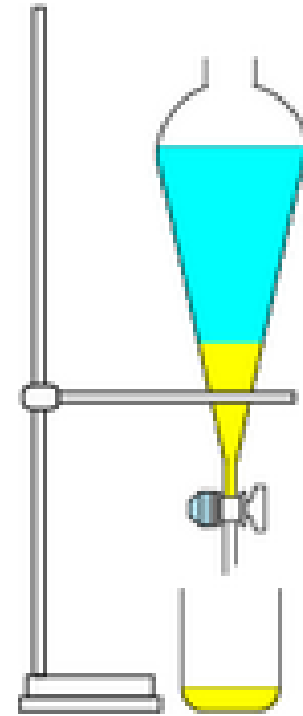
Sedimentation

- Slow
- Heavier particles deposit at the bottom
- Occurs in orange juice, salad dressing
- Effective process for treating water



Decantation

- Often used after sedimentation
- With decantation, a heterogeneous mixture that has layers can be separated into distinct substances.
- Pour out layers into another container



Filtration

- Fast and effective
- Separates different substances of a heterogeneous mixture using a filter.



Distillation

- Distillation relies on a characteristic property of substances: their boiling point.
- *For homogeneous mixtures*

