

# MIXTURES

## Separating mixtures

Match each picture with their name:

Filtration

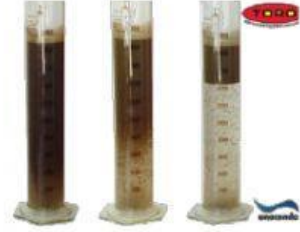
Floatation

Chromatography

Evaporation

Magnetic attraction

Sifting



Complete the next definitions (look for the missing words in your presentation):

**MAGNETIC ATTRACTION:** Is used to separating magnetic material from a mixture of other substances. When a magnet is \_\_\_\_\_ through the mixture, it pulls out the magnetic material from the mixture.

**EVAPORATION:** Is used to separate a solid that has \_\_\_\_\_ in a liquid solution. The solution is heated or left uncovered until all the liquid turns to a gas (evaporates) leaving the solid salt in the container.

**FLOATATION:** It is used to separate solids that \_\_\_\_\_ from the remaining liquid in a mixture. The solids are stirred and when they float to the top, they are skimmed off the surface of the liquid and put into a different container.

**CHROMATOGRAPHY:** It is used to separate and \_\_\_\_\_ the solutes in a solution. The substances in the solution that dissolve most easily travel the furthest; and substances that do not dissolve easily do not travel very far.

**FILTRATION:** It is used to separate solid particles from a liquid. For example, pouring the mixture through a filter paper in a \_\_\_\_\_ will trap the solid particles and only allow the particles of the liquid to pass through.

**SIFTING:** It is used to separate smaller solid particles from larger solid particles. When the mixture is \_\_\_\_\_, the smaller particles go through the screen leaving the larger particles in the container.