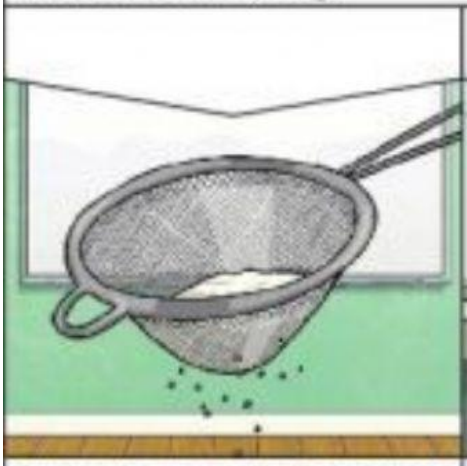
Dissolving

A is made when solid particles are mixed with liquid particles. Materials that will dissolve are known as . Materials that won't dissolve are known as . A is when the particles don't dissolve.

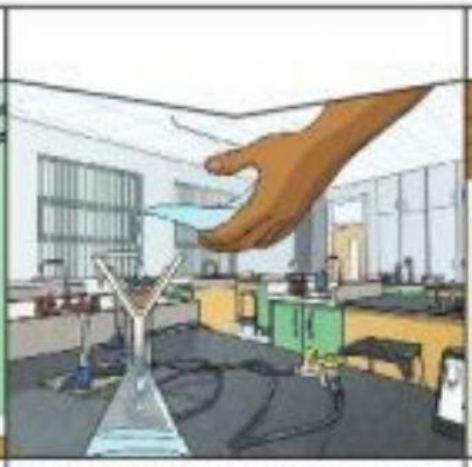
Sugar is a material.

Sand is an material.

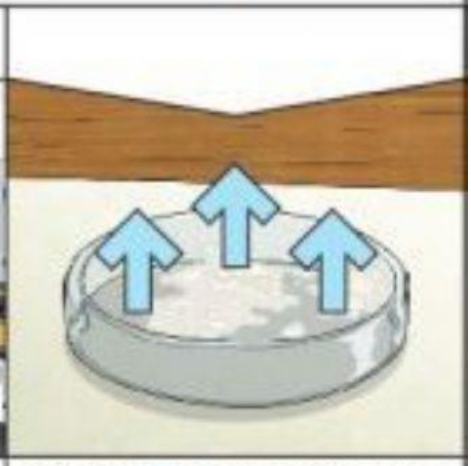
changes, such as mixing and dissolving solids and liquids together, can be reversed by:



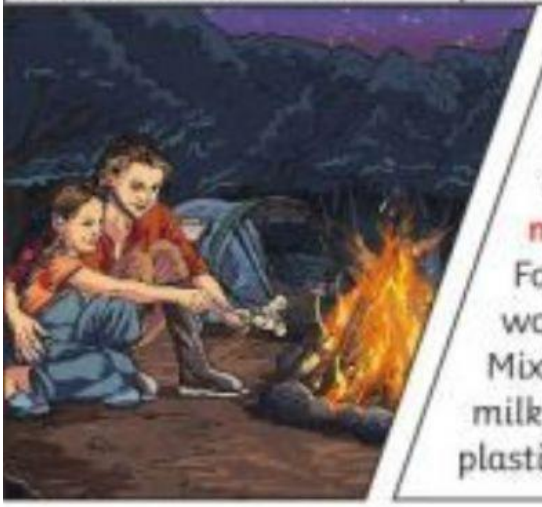
Smaller materials are able to fall through the holes in the sieve, separating them from larger particles.



The solid particles will get caught in the filter paper but the liquid will be able to get through.



The liquid changes into a gas, leaving the solid particles behind.



changes often result in a new product being made from the old materials (reactants). For example, burning wood produces ash. Mixing vinegar and milk produces casein plastic.