

Year 5 Science - Summer Term 2: Properties & Changes of Materials







1. A mixture is a combination of two or more substances that aren't chemically joined and can be separated back into their individual substances. Heterogeneous mixtures consist of distinctly different substances and are easy to separate. Substances in homogeneous mixtures are evenly distributed and you cannot see the different parts. Homogeneous mixtures are difficult to separate.



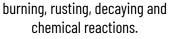


2. Sieving can be used to separate large solids from liquids and some solids from other solids.



What are mixtures and how can they be separated?





6. Irreversible changes include

3. Filters separate **solid** particles from **liquids** or gases. **Filters** can be made from thin materials that contain tiny holes or layers of **solid** materials.

4. Evaporating can be used to separate dissolved **solids** from **liquids.**



5. Reversible changes include heating, cooling, melting, dissolving and evaporating.



decaying

Irreversible changes are usually accompanied by one or more of these signs: a gas is produced; light is produced; a smell is produced or the smell changes; the colour changes; sound is produced, or the temperature changes.

mixture	heterogenous	homogenous	separate	substance	liquids	
reversible	irreversible	filtering	sieving	evaporating	solids	