

Year 7 Acids, Alkalis and Mixtures

15 Lessons

Stage	Description
Emerging	You can state what a mixture is. You can define the term 'pure substance'. You can draw the equipment used in the different separating techniques. You can give every day examples of acids and alkalis. You can use the pH chart to investigate if something is an acid or alkali.
Developing	You can describe how to separate a mixture using a range of techniques (chromatography, distillation, evaporation, filtration etc.) You can give examples of pure substances. You can describe the meanings of solute, soluble and insoluble etc. You can link the terms acids and alkalis to the pH scale. You can use the pH scale to investigate if something is a strong or weak acid/alkali. You can write basic word equations for the reaction of acids with metals. You can write basic word equations for the reaction of acids with alkalis.
Secure	You can compare a range of techniques which are used to separate mixtures. You can justify your choice of pure substances. You can describe a neutralisation reaction using some acids and alkalis as examples. You can write symbol equations for the reaction of acids with metals. You can write symbol equations for the reaction of acids with alkalis. You can explain how red cabbage can be used as an indicator
Excellence	You can predict how you can separate some mixtures. You can evaluate the use of a range of techniques which are used to separate mixtures. You can apply separation techniques to real life situations. You can link naturalisation reactions to real life situations. You can balance equations. You can explain why something is acid or alkaline