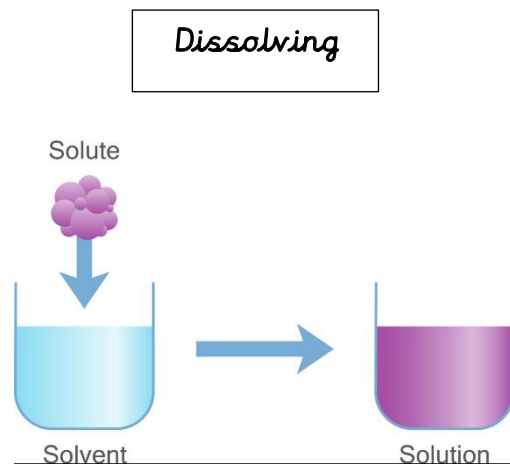


St Andrew's Church of England Primary School

LKS2 Knowledge Organiser - Term 1

Science - Investigation

Outcomes
Ask relevant questions.
Make accurate measurements using standard units, using a range of equipment.
Gather, record, classify and present data in a variety of ways to help in answering questions.
Identify differences, similarities or changes related to simple scientific ideas and processes.
Use straightforward, scientific evidence to answer questions or to support your findings.
Use results to draw simple conclusions and suggest improvements, new questions and predictions for setting up further tests.
Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.



Acid + bicarbonate of soda

Key vocabulary
prediction: A good guess about what you expect to happen in an investigation.
investigation: Researching or working systematically.
fair test: A fair test changes only one thing when attempting to answer a scientific question.
classifying: Grouping objects according to their properties or characteristics.
dissolve: To cause a solute to pass into a solution.
reversible: Can be returned to its original state or condition.
irreversible: Cannot be returned to its original state or condition.

Fair Testing

This is when you change one variable or factor and keep all the others the same!

For example — Does the temperature of the water affect the time it takes for sugar to dissolve?

What stays the same? The cup, the amount of water, the amount of water, whether you stir or not.

What changes? The temperature of the water.

What will you measure? The time it takes for the sugar to dissolve.



Separating solids

