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Science	*Solids, Liquids and Gases*	*YEAR 5/6*
Cross curricular links	**Key skills**	**Key vocabulary**
Mathematics: measures (weight, temperature, time) creating and using tables and diagrams to record data from investigations recording results and findings by plotting bar charts and/or line graphs.	Children will compare, gather and record data in a variety of ways including diagrams and tables. Children will recognise and control variables when planning and carrying out investigations. Children will need to identify the different properties of solids liquids and gases. Children will investigate how some materials: • dissolve to form solution. • might be separated when in a mixture	**State of matter** - a solid, liquid or gas **Properties** - (for example: conductivity, solubility, magnetic) **Solution** – when a solid material dissolves in a liquid **Reversible** – moving back to its original state **Irreversible** – cannot move back to its original state **Variables** – something you change or keep the same
Working Scientifically Report findings from enquiries, including written and oral explanations of results, explanations of casual relationships and conclusions Can interpret observations and findings Can use test results to make predictions and set up further comparative and fair tests		
Pictures/photos relevant to topic	**Useful information**	

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Look carefully at each row of everyday materials in the table below.
For each row choose one material that you think is the odd one out.
Explain your reasons using any *scientific vocabulary* that you know.

Row 1			
Row 2			
Row 3			
Row 4			

Online games/resources
The three states of matter: BBC Bitesize: https://www.bbc.co.uk/bitesize/topics/z6p6qp3/articles/zsqwwxs
What is dissolving? BBC Bitesize: https://www.bbc.co.uk/bitesize/topics/zjty4wx/articles/zpbdpbk
What is Separation? BBC Bitesize: https://www.bbc.co.uk/bitesize/topics/z6p6qp3/articles/zw7tv9q

Home Learning:

Research how to grow salt or sugar crystals