

Aims

You are going to produce a revision poster about atoms, elements, compounds, and formulae.

Task

Divide a piece of A3 paper into four quarters. Give each of your four quarters the same heading that is written in the diagram below. Suggestions and questions have been written for each part of your poster – make sure you answer each question or follow the suggestions, when you are filling in each part of the poster. Don't just write a list of answers on your poster – make it exciting to look at and easy to find information on.

<p>Elements</p> <ul style="list-style-type: none"> ■ How many elements are there? ■ Where are elements listed? ■ Why are elements sometimes called 'pure'? ■ What is an element's 'symbol'? ■ Can an element be broken down into anything? ■ Give some examples of elements and their uses, and describe why their properties make them good for this use. 	<p>Atoms</p> <ul style="list-style-type: none"> ■ What is the smallest particle of an element? ■ Does this smallest particle have the same properties as the element? ■ Are all atoms the same? ■ When are atoms different from one another? ■ Draw a particle diagram to show what an atom is and how atoms build up to give elements.
<p>Compounds</p> <ul style="list-style-type: none"> ■ Give the definition of what a compound is. ■ Give some examples of compounds you have heard of. ■ Give an example of an experiment you have seen that shows how properties are different for elements and compounds. ■ Why is the mass of a compound bigger than the individual mass of the elements it is made from? ■ Draw a diagram to show how compounds are made from different elements joined together. 	<p>Formulas</p> <p>Look at these formulae and then answer the questions about them:</p> <p style="text-align: center;">NaOH MgCl₂ LiO</p> <ul style="list-style-type: none"> ■ How do you know which elements are in the substance? ■ How can you tell how many atoms of each element there are? ■ Are there certain ways of naming compounds? ■ Can you think of any other compounds you know the formula for?