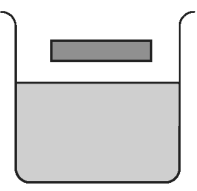
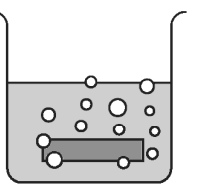
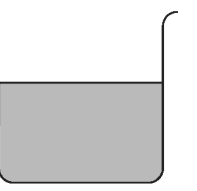
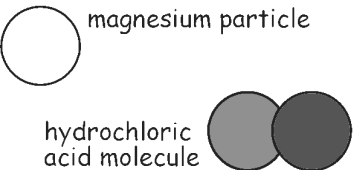


Acid fizz!

Task: Copy and complete the images using particle diagrams to show what happens at each stage of the reaction. Add descriptions to your diagrams.

 <p>before</p>	 <p>during</p>	 <p>after</p>
 <p>magnesium particle</p> <p>hydrochloric acid molecule</p>		

Key words: displacement reaction, hydrochloric acid, hydrogen, magnesium, metal, non-metal, particle

To get level	You might have:
4	<ul style="list-style-type: none"> • Drawn simple diagrams and described what happened in the reaction. • Identified and named the chemicals in the reaction. • Identified a metal and stated its properties. • Described differences between the materials before and after the reaction.
5	<ul style="list-style-type: none"> • Drawn diagrams and described what happened in the reaction. • Drawn simple particle diagrams to represent the chemicals in the reaction. • Identified the elements and compounds. • Described the appearance and properties of the materials before and after the reaction (classified as metals or non-metals).
6	<ul style="list-style-type: none"> • Drawn accurate particle diagrams to describe the reaction. • Written the word equation for the reaction. • Used some symbols to represent some elements. • Described why the substances can be classified as elements or compounds. • Explained if the mass of the beaker and its contents will stay the same throughout the reaction.
7	<ul style="list-style-type: none"> • Drawn detailed and accurate particle diagrams to explain the reaction. • Accurately written the word and balanced symbol equation. • Explained if the mass of the beaker and its contents will stay the same throughout the reaction. • Used these key words accurately: atom, molecule, element, compound. • Used knowledge of chemical reactions to make generalisations and described other similar reactions.