9F Task Sheet (L3-5)

Displacement disco

Use your knowledge and understanding of displacement reactions and particles to draw a cartoon to model a displacement reaction.

Your teacher will show you the reaction between an iron nail and some copper sulphate.

Task:
Draw a cartoon to explain in detail what is happening in the reaction.
Imagine the molecule is made up of a couple, a man and a woman.
At the disco there is a metal atom, who is much more attractive than the other metal.
So the less attractive metal loses it's partner to the more attractive metal.

Key words: displacement reaction, metal, non-metal, particle

Level ladder:
What is your target level? Use the level ladder to help you reach it:

To get level	You might have:
3	• Drawn a simple diagram of the experiment. • Identified a solid and liquid in the reaction. • Stated simply what happened in the reaction.
4	• Drawn a simple cartoon to describe what happened in the reaction. • Matched some characters in the cartoon to the chemicals in the reaction. • Identified a metal and stated its properties. • Described differences between the materials before and after the reaction.
5	• Drawn cartoon characters to represent the chemicals in the reaction. • Identified which metal is more reactive than the other, using the reactivity series. • Identified the elements and compounds. • Described the appearance and properties of the materials before and after the reaction (classified as metals or non-metals).