

C2.3: **Metals and acids**

Lesson	Objectives Tracker Sheet	Date covered	I know this well	I need to do more work on this
3.1 Acids and metals	Compare the reactions of different metals with dilute acids			
	Explain the test for hydrogen gas			
3.2 Metals and oxygen	Compare the reactions of different metals with oxygen			
	Use state symbols in balanced formula equations			
3.3 Metals and water	Compare the reactions of metals with water			
	Use the reactivity series to predict reactions			
3.4 Metal displacement reactions	Predict pairs of substances that react in displacement reactions			
	Use the reactivity series to explain displacement reactions			
3.5 Extracting metals	Use the reactivity series to decide which metals can be extracted from their ores by heating with carbon			
	Calculate the amounts of metals in ores			
3.6 Ceramics	Describe ceramic properties			
	Explain why properties of ceramics make them suitable for their uses			
3.7 Polymers	Describe polymer properties			
	Explain how polymer properties make them suitable for their uses			
3.8 Composites	Describe composite properties			
	Explain why composite properties make them suitable for their uses			