

Y8 CHEMISTRY	Metals and Their Uses Learning Checklist	I can do this already	Covered in Class	Strength or weakness?	Revised it?
Metal Properties	Describe the physical and chemical properties of metals and relate them to their uses.				
	Recall some reactions that happen slowly and some that happen quickly.				
	Describe what catalysts do and some applications of catalysts.				
	Write word equations for reactions between metals and non-metals.				
Metals and Oxygen	Describe what happens when metals react with oxygen.				
	State the meaning of corrosion and rusting.				
	Explain how barrier methods (e.g. painting) can be used to stop rusting.				
	Model reactions using word equations.				
Metals and Water	Show the products or reactants in a reaction as formulae.				
	Describe the test for hydrogen.				
	Write word equations for the reactions of metals with water.				
	Use the reactions of metals with water to create an order of reactivity.				
Working Scientifically	Explain how to improve the accuracy of an investigation.				
	Identify repeated measurements and explain the importance of repeatable, reproducible and reliable data.				
Metals and Acids	Describe what happens when metals react with acids.				
	Write word equations for the reactions of metals with different acids.				
	Use the reactions of metals with acids to create an order of reactivity.				
	Model simple reactions using symbol equations.				
Pure Metals and Alloys	Describe what happens at a material's melting, freezing and boiling point.				
	Describe what is meant by a pure substance and how melting and boiling points can identify pure substances.				
	State, with examples, the meaning of an alloy and explain why alloys are made.				