

Y8 CHEMISTRY	Periodic Table Learning Checklist	I can do this already	Covered in Class	Strength or weakness?	Revised it?
Atoms, elements and compounds	Write and identify the chemical symbols for elements.				
	Describe Dalton's ideas on atoms, molecules, elements and compounds.				
Reactions and equations	Write word equations for simple and complex chemical reactions.				
	Describe elements using physical properties.				
	Explain the difference between physical and chemical changes and properties.				
	Use observations to decide whether a chemical reaction has taken place.				
Atoms and calculations	Write and interpret chemical formulae for compounds.				
	Explain what happens during chemical reactions using atomic theory.				
	Carry out calculations involving the masses of reactants and products.				
Groups in the Periodic Table	Use the periodic table to find symbols and elements with similar properties.				
	Identify alkali metals, halogens and noble gases in the periodic table and describe their typical properties.				
Development of the Periodic Table	Describe how Mendeleev arranged the elements in the periodic table and made predictions about elements.				
	Describe how the modern periodic table is arranged.				
Melting and boiling points.	State what happens at the melting/freezing/boiling point of a substance.				
	Use melting, freezing and boiling points to predict state.				
Trends in physical properties	Identify metals and non-metals by their properties and position in the periodic table.				
	Describe and identify trends in physical properties in the periodic table.				
	Describe the reactions of metals and non-metals with oxygen and water.				
	Compare the properties of metal and non-metal oxides.				
Trends in chemical properties.	Identify trends in chemical properties within a group.				
	Make predictions about chemical properties and reactivity in a group.				