

Y8 CHEMISTRY	Combustion Learning Checklist	I can do this already	Covered in Class	Strength or weakness?	Revised it?
Fuel and Combustion	State the meaning of fuel and combustion.				
	Describe the reactants and products in the combustion of hydrocarbons.				
	Name the fuel used in a fuel cell.				
	Describe the tests for carbon dioxide and water.				
Oxidation	Write word equations to model reactions.				
	State the meaning of oxidation.				
	Describe the reactions of metals with oxygen.				
	Identify reactants and products of oxidation using word equations.				
Burning Fuels	State what happens to mass in a chemical reaction.				
	Explain changes in mass seen in reactions.				
	Compare and contrast the oxygen and phlogiston theories.				
	Name the three sides of a fire triangle and recognise hazard symbols.				
Working Scientifically	Describe what is meant by an exothermic change.				
	Explain why different types of fire need to be put out in different ways.				
	Evaluate data on burning fuels.				
	Identify variables that need to be controlled in an experiment.				
Fossil Fuels	Plan ways in which to control variables in an experiment.				
	Recall examples of pollutants formed by burning fossil fuels.				
	Describe the reactions of non-metals with oxygen.				
	Explain the products of complete and incomplete combustion of fossil fuels.				
	Explain how sulfur dioxide and nitrogen can cause acid rain.				