



Assessment grid			
Subject: Science		Year: 8	Topic/module: Chemical Reactions 1
KS4 target direction	4	6	8(9)
Advanced	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension Features of work may include:
Secure <i>Students must achieve competence in all statements before being judged 'Secure'</i>	Secure The student can: <ul style="list-style-type: none">• State some signs of a chemical reaction• Complete simple word equations• State what a fuel is• State simply what a decomposition reaction is• State that mass is conserved in a chemical reaction• Identify a reaction as endothermic and exothermic	Secure The student can: <ul style="list-style-type: none">• Compare chemical reactions to physical changes• Write word equations to represent chemical reactions• Predict products of combustion reactions• categorise oxidation reactions as useful or not• Use a pattern to predict products of decomposition reactions• Calculate masses of reactants and products.• Describe the characteristics of exothermic and endothermic changes	Secure The student can: <ul style="list-style-type: none">• Compare and contrast physical and chemical reactions• Convert word equations into balanced formula equations• Construct balanced formula equation for some combustion reactions.• Write balanced formula equations for decomposition reactions• Compare decomposition reactions with combustion reactions• Apply the conservation of mass in unfamiliar situations, giving a reasoned explanation.• Predict and explain whether the mass within a reaction vessel will stay the same from word and formula equations.• Apply temperature changes to exothermic and endothermic changes in unfamiliar situations
Developing	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:
Beginning	Significant gaps	Significant gaps	Significant gaps