

Unit Overview – Reactions 2

Target grade for tests:



You will learn about:

- Reaction energy and catalyst
- Combustion and thermal decomposition
- Reactions

You will be able to:

- collect data, devise questions, plan variables, test hypothesis.

Key learning points		R	Key Words Exothermic Endothermic Bond making Bond breaking Catalyst Enzyme Catalytic convertor Combustion Reactant Oxidation Thermal decomposition Carbonate Conserved Reactant Product
Describe examples of exothermic and endothermic reactions and compare the energy changes taking place during reactions.			
Describe what a catalyst is and explain how it works			
Use word equations to represent chemical changes including combustion.			
Identify applications of combustion reactions and compare the energy of different fuels			
Recognise and explain thermal decomposition reactions and describe their uses.			
Explain mass changes for physical and chemical change and use particle diagrams to explain chemical processes.			
Apply the Law of Conservation of Mass			
Skill: collect data, devise questions, plan variables, test hypothesis.			
Links to other subjects: SMSC <ul style="list-style-type: none"> • Describe how industrial chemistry is linked to economics. Numeracy <ul style="list-style-type: none"> • Drawing and interpreting graphs • Reading a scale and recording measurements • Ratios Literacy <ul style="list-style-type: none"> • Construct descriptions and explanations. • Identify and describe evidence. 			