6 6.3 Checklist

Activate for AQA

Lesson	Know	Apply	Extend
6.3.1 Atoms in chemical reactions	I can state that in a chemical reaction particles are rearranged, but the total number of atoms is conserved. ☐	I can interpret particle diagrams and models to explain what happens in a chemical reaction. ☐	I can explain in detail what happens to the particles in chemical reactions such as those between a metal and oxygen. ☐
	I can write word equations from information about chemical reactions. ☐	I can draw particle diagrams and make models to show what happens in a chemical reaction. ☐	
	I can identify possible hazards in a demonstration. ☐	I can identify risks, hazards, and control measures in a demonstration. ☐	
6.3.2 Combustion	I can state that combustion is a reaction with oxygen in which energy is transferred to the surroundings as heat and light. ☐	I can explain why a given reaction is an example of combustion. ☐	I can compare the pros and cons of fuels in terms of their products of combustion. ☐
	I can state that chemical changes can be described by a model in which atoms in reactants rearrange to make products. ☐	I can predict the products of combustion of a given reactant and show the reaction as a word equation. ☐	
	I can write word equations from information about chemical reactions. ☐	I can use a particle diagram to show what happens in a reaction. ☐	
	I can design a table suitable for gathering specific data. ☐		
6.3.3 Thermal decomposition	I can state that thermal decomposition is a reaction in which a single reactant is broken down into simpler products by heating. ☐	I can explain why a given reaction is an example of combustion or thermal decomposition. ☐	I can devise a general rule for how a set of compounds thermally decomposes. ☐

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Lesson	Know	Apply	Extend
	I can state that chemical changes can be described by a model in which atoms in reactants rearrange to make products. ☐	I can predict the products of thermal decomposition of a given reactant and show the reaction as a word equation. ☐	
	I can write word equations from information about chemical reactions. ☐	I can use a particle diagram to show what happens in a reaction. ☐	
		I can make a conclusion and explain it. ☐	
6.3.4 Conservation of mass	I can state that chemical changes can be described by a model in which atoms in reactants rearrange to make products. ☐	I can explain observations about mass in a chemical or physical change. ☐	I can use known masses of reactants or products to calculate unknown masses of the remaining reactant or product. ☐
		I can make a conclusion and explain it. ☐	I can balance a symbol equation. ☐