

	<u>Question</u>	<u>Answer</u>
1	What is a chemical reaction?	A change in which atoms are rearranged to create new substances.
2	What is activation energy?	The minimum amount of energy needed to start a reaction.
3	What are reactants in a chemical reaction?	The chemical taking part in a reaction.
4	What are products in chemical reactions?	The chemicals produced in a reaction.
5	What is a reversible reaction?	A chemical reaction which means you can easily get back what you started with. This is not common.
6	What is a physical change (as opposed to a chemical one).	Changes of state like dissolving are physical changes. You can get back what you started with.
7	What is the rate of a chemical reaction?	A measure of the change in product or reactant over time during a reaction.
8	What is the meaning of particle concentration?	The measure of how many particles are dissolved per cm ³ .
9	What is surface area in chemical reactions?	Total area of the exposed sides of a substance?
10	What is a catalyst?	A catalyst speeds up the reaction, but it is not used up in the reaction (you get it back at the end).
11	What is an exothermic reaction?	A chemical reaction that transfers energy to its surroundings.
12	What is an endothermic reaction?	A chemical reaction that takes in energy from its surroundings.
13	What are fuels?	A material that burns to transfer useful energy.
14	What is complete combustion?	The process of burning something in an abundance of oxygen.
15	What is incomplete combustion?	The process of burning something in a lack of oxygen.
16	What is a hydrocarbon?	A compound containing hydrogen and carbon only .
17	What is oxidation?	When a chemical joins oxygen to form a new compound.
18	What is thermal decomposition?	This is a reaction in which compounds are broken down using heat .
19	What is conservation of mass?	In a chemical reaction, the total mass of reactants is equal to the total mass of products.
20	What is decomposition?	A chemical reaction in which a compound breaks down to form simpler compounds and or elements.
	Total marks	/20

KS3 KBT 1 Year 9 Energetics

Date Completed:.....

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