Na	ame: Date:
Worksheet 9B Describing Chemical Reactions (Nelson p.214-215)	
1)	When you read a word equation, what do the symbols "+" and "→" mean?
	"+" means
	"→" means
2)	When carbon dioxide reacts with water, it produces carbonic acid.
	Word equation:
	a) Name the reactant(s)
	b) Name the product(s)
3)	Carbonic acid breaks apart to form carbon dioxide gas and water.
	Word equation:
	a) Name the reactant(s)
	b) Name the product(s)
4)	Consider the reaction below: AgNO _{3 (aq)} + NaCl _(aq) → AgCl _(s) + NaNO _{3 (aq)} (a) Name the reactants and products in this reaction.
	(b) Name the chemicals that are dissolved in water .
	(c) Name white solid.
	(d) What physical property do both reactants have in common?
5)	Write word equations for these reactions:
	a) Sugar breaks down into carbon and water.
	b) Iron, water, and oxygen produce iron oxide (rust).

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SNC2P1/PL - Chemistry Homework

Word Equations

Write the **word equations** for the following chemical reactions.

1)	When lithium nitrate reacts with sodium chloride, the products are lithium chloride and sodium nitrate.
2)	When sodium hydroxide combines with calcium sulfate, sodium sulfate and calcium hydroxide are made.
3)	When sodium and oxygen gas react, sodium oxide is produced.
4)	When water is broken down, hydrogen gas and oxygen gas are formed.
5)	Magnesium reacts with nitric acid to produce magnesium nitrate and hydrogen gas.
6)	Hydrosulfuric acid breaks down to produce hydrogen gas and sulfur.
7)	Calcium chloride reacts with sodium sulfide to produce calcium sulfide and sodium chloride.