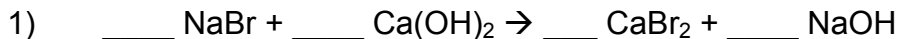
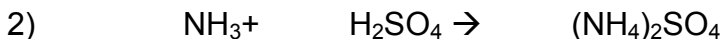


Six Types of Chemical Reaction Worksheet

Balance the following reactions and indicate which of the six types of chemical reaction are being represented:



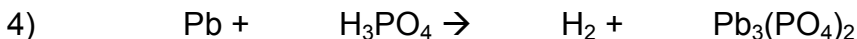
Type of reaction: _____



Type of reaction: _____



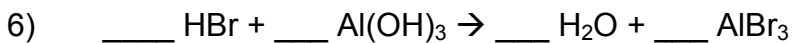
Type of reaction: _____



Type of reaction: _____



Type of reaction: _____



Type of reaction: _____

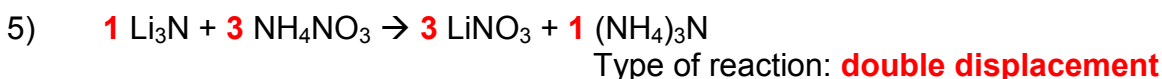
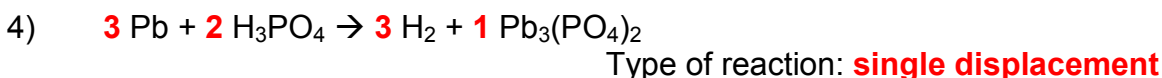
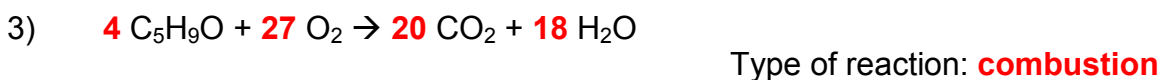
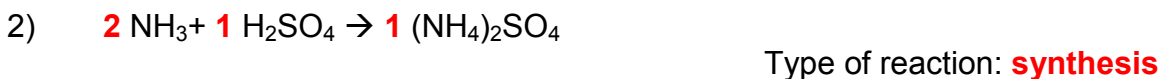
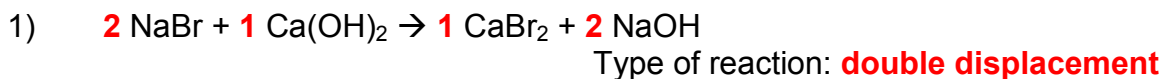
7) What's the main difference between a double displacement reaction and an acid-base reaction?

8) Combustion reactions always result in the formation of water. What other types of chemical reaction may result in the formation of water? Write examples of these reactions on the opposite side of this paper.

Six Types of Chemical Reaction Worksheet

Answers

Balance the following reactions and indicate which of the six types of chemical reaction are being represented:



7) What's the main difference between a double displacement reaction and an acid-base reaction?

Acid-base reactions form water.

8) Combustion reactions always result in the formation of water. What other types of chemical reaction may result in the formation of water? Write examples of these reactions on the opposite side of this paper.

Acid-base: $\text{HCl} + \text{NaOH} \rightarrow \text{H}_2\text{O} + \text{NaCl}$

Synthesis: $2 \text{H}_2 + \text{O}_2 \rightarrow 2 \text{H}_2\text{O}$

Decomposition: $\text{NH}_4\text{OH} \rightarrow \text{NH}_3 + \text{H}_2\text{O}$

Single displacement: $\text{H}_2 + 2 \text{NaOH} \rightarrow 2 \text{Na} + 2 \text{H}_2\text{O}$ (not common)