

Identifying the 5 Types of Chemical ReactionsIdentify each of the reactions below as one of the 5 types of Reactions (Rxn):

- Synthesis Reaction
- Decomposition Reaction
- Single Replacement Reaction
- Double Replacement Reaction
- Combustion Reaction

Reactions (identify pattern below)Name of Reaction Type

1.	$2 \text{ Na} + \text{Cl}_2 \rightarrow 2 \text{ NaCl}$ EX: A B → AB (A & B combine)	Ex: synthesis
2.	$\text{Pb} + \text{FeSO}_4 \rightarrow \text{PbSO}_4 + \text{Fe}$	
3.	$\text{P}_4 + 3 \text{ O}_2 \rightarrow 2 \text{ P}_2\text{O}_3$	
4.	$2 \text{ NO}_2 \rightarrow 2 \text{ O}_2 + \text{N}_2$	
5.	$\text{Na}_3\text{PO}_4 + 3 \text{ KOH} \rightarrow 3 \text{ NaOH} + \text{K}_3\text{PO}_4$	
6.	$\text{C}_3\text{H}_6\text{O} + 4 \text{ O}_2 \rightarrow 3 \text{ CO}_2 + 3 \text{ H}_2\text{O}$	
7.	$\text{MgCl}_2 + \text{Li}_2\text{CO}_3 \rightarrow \text{MgCO}_3 + 2 \text{ LiCl}$	
8.	$\text{C}_6\text{H}_{12} + 9 \text{ O}_2 \rightarrow 6 \text{ CO}_2 + 6 \text{ H}_2\text{O}$	
9.	$\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$	
10.	$2 \text{ AgNO}_3 + \text{Cu} \rightarrow \text{Cu}(\text{NO}_3)_2 + 2 \text{ Ag}$	
11.	$2 \text{ H}_2 + \text{O}_2 \rightarrow 2 \text{ H}_2\text{O}$	

Section 1describing Chemical Reactions Practice Problems Answers

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