

General Science 3200

Worksheet 10: Predicting and the Products of a Reaction

Name: _____

Complete the following word equations and chemical equations by predicting the products using your knowledge of Synthesis, Decomposition, and Single Displacement (Single Replacement) reactions. Note: The reactions are **NOT** to be balanced here.

1. calcium sulfide (decomposition) →
2. $K + Br_2$ (synthesis) →
3. sodium + aluminum hydroxide (single displacement) →
4. MgS (decomposition) →
5. $Ca + AgNO_3$ (single displacement) →
6. zinc + oxygen (synthesis) →
7. lithium iodide (decomposition) →
8. $P_4 + Na$ (synthesis) →
9. bromine + magnesium nitride (single displacement) →
10. ZnI_2 (decomposition) →