

General Science 3200

Worksheet 10: Predicting and the Products of a Reaction

ANSWERS

1. calcium sulfide (decomposition) \rightarrow **calcium + sulfur**
2. $K + Br_2$ (synthesis) \rightarrow **KBr**
3. sodium + aluminum hydroxide (single displacement) \rightarrow **aluminum + sodium hydroxide**
4. MgS (decomposition) \rightarrow **$Mg + S_8$**
5. $Ca + AgNO_3$ (single displacement) \rightarrow **$Ag + Ca(NO_3)_2$**
6. zinc + oxygen (synthesis) \rightarrow **zinc oxide**
7. lithium iodide (decomposition) \rightarrow **lithium + iodine**
8. $P_4 + Na$ (synthesis) \rightarrow **Na_3P**
9. bromine + magnesium nitride (single displacement) \rightarrow **nitrogen + magnesium bromide**
10. ZnI_2 (decomposition) \rightarrow **$Zn + I_2$**