Bat 52-a barium + sulfur -> barium sulfide

Ba + 5 -> BaS

Type: Synthesis

 G^{2+} OHf) calcium + worter -> hydrogen + calcium hydroxide

G + 2HOH -> H2 + Ca(OH)2

Type: Single Replacement

Reactions

Combustion

element/compound + O_2 \Rightarrow oxides + energy Ex. C_3H_8 + O_2 \Rightarrow CO_2 + H_2O

Synthesis

two smaller particles (elements) \Rightarrow one molecule Ex. Na + Cl₂ \Rightarrow NaCl

Decomposition

one molecule \Rightarrow smaller particles (elements) Ex. ZnO \Rightarrow Zn + O₂

Single Replacement

element + compound \Rightarrow element + compound Ex. Zn + NaCl \Rightarrow Na + ZnCl₂

Double Replacement

compound + compound \Rightarrow compound + compound Ex. ZnO + NaCl \Rightarrow Na₂O + ZnCl₂

Homework

Translation Worksheet