Balancing Chemical Equations Worksheet

BALANCE THE FOLLOWING EQUATION: $H_2 + O_2 \rightarrow H_2O$

A. 1, 1, 1
B. 2, 1, 2
C. 2, 2, 2
D. 2, 1, 1

Which coefficients correctly balance the equation for the combustion of propane: $C_3H_8 + O_2 \rightarrow CO_2 + H_2O$?

A. 1, 5, 3, 4
B. 1, 3, 3, 4
C. 1, 5, 3, 5
D. 1, 5, 3, 3

Balance the equation: $NaCl + AgNO_3 \rightarrow AgCl + NaNO_3$

A. 1, 1, 1, 1
B. 1, 2, 2, 1
C. 2, 2, 2, 2
D. 2, 1, 1, 2

What type of reaction is represented by the equation $2H_2 + O_2 \rightarrow 2H_2O$?

A. Decomposition
B. Double replacement
C. Synthesis
D. Single replacement

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