

BALANCING CHEMICAL EQUATION WORKSHEET

Balance the equation for the reaction of hydrogen gas with oxygen gas to form water.

For the unbalanced reaction $\text{CH}_4 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$, fill in the following counting chart:

C: _____ , _____

H: _____ , _____

O: _____ , _____

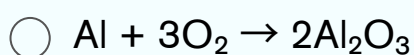
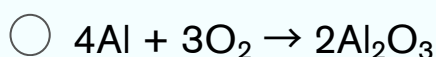
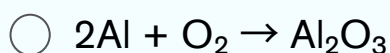
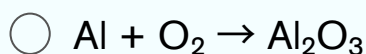
Balance the equation and complete the counting chart for the combustion of propane (C_3H_8) in oxygen to form carbon dioxide and water.

C: _____ , _____

H: _____ , _____

O: _____ , _____

Which of the following is the correctly balanced equation for the reaction of aluminum with oxygen to form aluminum oxide?



The law of conservation of mass states that the total mass of the reactants must equal the total mass of the products in a chemical reaction.

TRUE

FALSE

Coefficients in a balanced chemical equation can be fractions.

TRUE

FALSE