Chapter 12 - Stoichiometry

Note Taking Guide: Episode 801 Stoichiometry

-Study of the QUANTITY relationships in a CHEMICAL REACTION

-Based on BALANCED equations

 $2 \text{ Mg} + \text{O}_2$ \Rightarrow 2 MgO

1. Particles

2 atoms Mg 2 atoms O 2 atoms Mg 2 atoms O

2 atoms Mg 1 molecule O₂ 2 molecule MgO

10 atoms Mg 5 molecule O₂ 10 molecule MgO

2 (6.02 x 10²³) 1 (6.02 x 10²³) 2 (6.02 x 10²³) atoms Mg molecule O₂ molecule MgO

2. Moles

2 mol Mg 1 mol O₂ 2 mol MgO

The COEFFICIENTS in a BALANCED EQUATION give the MOLE RATIO for the SUBSTANCES involved in the REACTION.

Lab: Episode 801 - Can You Find the Mole Ratio?

In this experiment, baking soda (NaHCO₃) reacts with hydrochloric acid (HCl) to produce sodium chloride, carbon dioxide, and water. You will determine the moles of reactant used and moles of product produced using both the lab data and stoichiometry and compare the two.

Data Table:

mass of test tube and baking soda	19.46 g	
mass of empty test tube	19.21 g	

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Léo Pomar

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The Enigmatic Realm of Note Taking Guide Episode 801 Stoichiometry: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Note Taking Guide Episode 801 Stoichiometry** a literary masterpiece penned with a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book is core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those who partake in its reading experience.

https://crm.avenza.com/results/publication/Documents/Policy Manual For Children Residential Care Homes.pdf

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