S'more Stoichiometry





Definitions: 'Stoichio' means element and 'metry' means the process of measuring. The mass and quantity relationships among reactants and products in a reaction are found using the process of stoichiometry.

Problem:

- If you are given one bag of large marshmallows, what is the maximum number of S'mores that can be made?
- 2) How many baxes of graham crackers and how many chocolate bars are needed to make this many \$'mores?

Solutions:

1st Step: Write a chemical equation using the following symbols:

Substance	Symbol	Unit Mass
Graham Cracker	S	7.00 g
Marshmallow	Mm	7.10 g
Chocolate Pieces	Or	3.30 g
S'more	SoMmOra	g

Calculate the unit mass of the S'more (S2MmOr3)below:

2nd Step: Balance the equation: What does the equation tell us? What do the coefficients represent?

They represent the ratio of the _____ or the _____.

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David Callaghan

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Stoichiometry Unit Project Luann Marie Decker, 1998 A Concrete Stoichiometry Unit for High School Chemistry Jennifer Louise Pakkala, 2006 STOICHIOMETRY NARAYAN CHANGDER, 2024-04-01 Note Anyone can request the PDF version of this practice set workbook by emailing me at cbsenet4u gmail com You can also get full PDF books in quiz format on our youtube channel https www youtube com smartquiziz I will send you a PDF version of this workbook This book has been designed for candidates preparing for various competitive examinations It contains many objective questions specifically designed for different exams Answer keys are provided at the end of each page It will undoubtedly serve as the best preparation material for aspirants This book is an engaging guiz eBook for all and offers something for everyone This book will satisfy the curiosity of most students while also challenging their trivia skills and introducing them to new information Use this invaluable book to test your subject matter expertise Multiple choice exams are a common assessment method that all prospective candidates must be familiar with in today s academic environment Although the majority of students are accustomed to this MCQ format many are not well versed in it To achieve success in MCQ tests guizzes and trivia challenges one requires test taking techniques and skills in addition to subject knowledge It also provides you with the skills and information you need to achieve a good score in challenging tests or competitive examinations Whether you have studied the subject on your own read for pleasure or completed coursework it will assess your knowledge and prepare you for competitive exams guizzes trivia and more **Learning with Understanding in the Chemistry Classroom** Iztok Devetak, Saša Aleksij Glažar, 2014-01-14 This volume offers a critical examination of a variety of conceptual approaches to teaching and learning chemistry in the school classroom Presenting up to date research and theory and featuring contributions by respected academics on several continents it explores ways of making knowledge meaningful and relevant to students as well as strategies for effectively communicating the core concepts essential for developing a robust understanding of the subject Structured in three sections the contents deal first with teaching and learning chemistry discussing general issues and pedagogical strategies using macro sub micro and symbolic representations of chemical concepts Researchers also describe new and productive teaching strategies. The second section examines specific approaches that foster learning with understanding focusing on techniques such as cooperative learning presentations laboratory activities multimedia simulations and role playing in forensic chemistry classes. The final part of the book details learner centered active chemistry learning methods active computer aided learning and trainee chemistry teachers use of student centered learning during their pre service education Comprehensive and highly relevant this new publication makes a significant contribution to the continuing task of making chemistry classes engaging and effective **Improving Student** Comprehension of Stoichiometric Concepts Connie Lynn Bannick Kemner, 2007 The Education Index ,1986 A Stoichiometry Unit David Callaghan, 2004

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