



## REACTING MASS CALCULATIONS - INTRODUCTION

- Step 1** Write ✓ for the substance whose mass is given and ? for the substance whose mass is to be calculated on the balanced equation
- Step 2** Find the moles of the ✓ substance ( using  $\text{moles} = \frac{\text{mass}}{M_r}$  )
- Step 3** Use the balanced equation and your answer from step 2 to find the moles of the ? substance
- Step 4** Find the mass of the ? substance ( using  $\text{mass} = M_r \times \text{moles}$  )

1) What mass of oxygen reacts with 12 g of magnesium?



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2) What mass of calcium hydroxide is made from 14 kg of calcium oxide?



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3) What mass of aluminium is needed to react with 640 g of iron oxide?



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4) What mass of titanium chloride reacts with 460 g of sodium?



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# Calculations In Chemistry An Introduction

**SA Dillow**



## **Calculations In Chemistry An Introduction:**

Calculations in Chemistry Donald J. Dahm, Eric A. Nelson, 2013 A research backed learning system for preparatory chemistry that systematically reinforces both the fundamental concepts and math skills that are prerequisites for success in general chemistry Recent research has documented that in K 12 programs over the past decade instruction in math computation has been emphasized Calculations in Chemistry addresses these gaps in student background applying the findings of recent scientific research on cognition fluency in applied mathematics and reading comprehension to prepare students for the rigor and pace of general chemistry

**Chemical Calculations** Sidney William Benson, 1952 **Chemical Calculations** Sidney W. Benson, 1966 **Introduction to General Inorganic Chemistry** Alexander Smith, 1910

Chemical calculations BENSON SIDNEY W., 1962 **Introduction to Chemistry Calculations** Donald J. Dahm, Eric A. Nelson, 2010-12-01 **Introduction to Chemistry Calculations** B. A. Matthews, K. R. Winter, 1982 Illustrated Catalogue and Classified Book List of the Northwestern Library Association ... Northwestern Library Association, 1899

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