

① $x = 0.01$ Cr, $Ni = 0.04$

Mg = $0.5 \times 0.95 = 0.475$ M (Mg nitrate)

$$0.475 = \frac{n}{0.05} \Rightarrow n = 0.02375 \text{ mol}$$

$$\therefore w = \boxed{6.0895 \text{ g}}$$

Mg nitrate

Ni = $0.5 \times 0.04 = 0.02$ M

$$0.02 = \frac{n}{0.05} \Rightarrow n = 0.001 \text{ mol}$$

$$w = \boxed{0.2908 \text{ g}}$$

Ni nitrate

Cr = $0.5 \times 0.01 = 0.005$

$$0.005 = \frac{n}{0.05} \Rightarrow n = 0.00025 \text{ mol}$$

$$w = \boxed{0.100035 \text{ g}}$$

Cr nitrate

② $x = 0.03$ Cr, $Ni = 0.02$

Mg $w = 6.0895 \text{ g}$

Ni = $0.5 \times 0.02 = 0.01$ M

$\therefore n = 0.0005 \text{ mol}$

$w = \boxed{0.1457 \text{ g}}$

Ni nitrate

Cr = $0.5 \times 0.03 = 0.015$ M

$n = 0.00075 \text{ mol}$

$w = \boxed{0.300105 \text{ g}}$

Cr nitrate

Analytical Chemistry Calculation Questions And Answers

**Faiz Bukhari Mohd Suah, Wan Saime
Wan Ngah, Che Sofiah Saidin**

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a completely new approach to learning and teaching the fundamentals of analytical chemistry It summarizes 250 basic concepts of the field on the basis of slides Each of the nine chapters offers the following features Introduction Summary General scheme Teaching objectives Text containing the explanation of each slide Recommended and commented bibliography Questions to be answered Slides A distinct feature of this novel book is its focus on the fundamental concepts and essential principles of analytical chemistry which sets it apart from other books presenting descriptive overviews of methods and techniques

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Table of Contents Analytical Chemistry Calculation Questions And Answers

1. Understanding the eBook Analytical Chemistry Calculation Questions And Answers
 - The Rise of Digital Reading Analytical Chemistry Calculation Questions And Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Analytical Chemistry Calculation Questions And Answers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Analytical Chemistry Calculation Questions And Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Analytical Chemistry Calculation Questions And Answers
 - Personalized Recommendations
 - Analytical Chemistry Calculation Questions And Answers User Reviews and Ratings
 - Analytical Chemistry Calculation Questions And Answers and Bestseller Lists
5. Accessing Analytical Chemistry Calculation Questions And Answers Free and Paid eBooks
 - Analytical Chemistry Calculation Questions And Answers Public Domain eBooks
 - Analytical Chemistry Calculation Questions And Answers eBook Subscription Services
 - Analytical Chemistry Calculation Questions And Answers Budget-Friendly Options

6. Navigating Analytical Chemistry Calculation Questions And Answers eBook Formats
 - ePub, PDF, MOBI, and More
 - Analytical Chemistry Calculation Questions And Answers Compatibility with Devices
 - Analytical Chemistry Calculation Questions And Answers Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Analytical Chemistry Calculation Questions And Answers
 - Highlighting and Note-Taking Analytical Chemistry Calculation Questions And Answers
 - Interactive Elements Analytical Chemistry Calculation Questions And Answers
8. Staying Engaged with Analytical Chemistry Calculation Questions And Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Analytical Chemistry Calculation Questions And Answers
9. Balancing eBooks and Physical Books Analytical Chemistry Calculation Questions And Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Analytical Chemistry Calculation Questions And Answers
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Analytical Chemistry Calculation Questions And Answers
 - Setting Reading Goals Analytical Chemistry Calculation Questions And Answers
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Analytical Chemistry Calculation Questions And Answers
 - Fact-Checking eBook Content of Analytical Chemistry Calculation Questions And Answers
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

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web dec 12 2012 1 draw sample force of shown hand 3 a which the b which the 4 it is important to distinguish between force and velocity vectors force vectors combine with other force vectors and velocity vectors combine with other velocity vectors do velocity vectors combine with force vectors no 5

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web circle the correct answers 5 we see that tension in a rope is dependent on independent of the length of the rope so the length of a vector representing rope tension is dependent on independent of the length of the rope concept development 2 2 practice page

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web mar 4 2013 the distance between the balls decreases the wavelength decreases just as the distance between the balls in question 5 decreases 30 m 30 cm 1 m s

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web our intuitive definition of force that is a push or a pull is a good place to start we know that a push or pull has both magnitude and direction therefore it is a vector quantity and can vary considerably in each regard for example a cannon exerts a strong force on a cannonball that is launched into the air

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web jan 14 2013 class date momentum 1 a moving car has momentum if it moves twice as fast its momentum is twice as much 2 two cars one twice as heavy as the other move down a hill at the same speed compared to the lighter car the momentum of the heavier car is twice as much 3 the recoil momentum of a cannon that kicks is