

Name:	
Grade & Section:	
Subject:	

Nuclear Decay

Types of Radiation

1. Complete the table below to compare the properties of alpha, beta, positron, and gamma radiation.

Name	Alpha	Beta	Positron	Gamma
Greek Letter				
Symbol				
Charge				
Stopped by				

Nuclear Decay Reactions

In problem 2-5, fill in the missing particle for each nuclear decay reaction. Then, match each equation to the appropriate type of nuclear decay.

- A. alpha emission
- B. beta emission
- C. electron capture
- D. positron emission



In problem 6 and 7, write a balanced equation for each for each nuclear decay reaction.

6. Decay of Radium-223 by alpha emission



7. Decay of Iodine-126 by positron emission



8. How are the atomic number and mass number of a nuclide affected by positron emission?
9. How are the atomic number and mass number of a nuclide affected by the emission of gamma radiation?
10. Which has a slightly greater mass in a nuclear reaction, the reactants or the product? Why?

Section 2 Rates Of Nuclear Decay Worksheet

N Noddings



Section 2 Rates Of Nuclear Decay Worksheet:

This book delves into Section 2 Rates Of Nuclear Decay Worksheet. Section 2 Rates Of Nuclear Decay Worksheet is an essential topic that must be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Section 2 Rates Of Nuclear Decay Worksheet, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:

- Chapter 1: Introduction to Section 2 Rates Of Nuclear Decay Worksheet
- Chapter 2: Essential Elements of Section 2 Rates Of Nuclear Decay Worksheet
- Chapter 3: Section 2 Rates Of Nuclear Decay Worksheet in Everyday Life
- Chapter 4: Section 2 Rates Of Nuclear Decay Worksheet in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Section 2 Rates Of Nuclear Decay Worksheet. The first chapter will explore what Section 2 Rates Of Nuclear Decay Worksheet is, why Section 2 Rates Of Nuclear Decay Worksheet is vital, and how to effectively learn about Section 2 Rates Of Nuclear Decay Worksheet.
3. In chapter 2, the author will delve into the foundational concepts of Section 2 Rates Of Nuclear Decay Worksheet. This chapter will elucidate the essential principles that must be understood to grasp Section 2 Rates Of Nuclear Decay Worksheet in its entirety.
4. In chapter 3, the author will examine the practical applications of Section 2 Rates Of Nuclear Decay Worksheet in daily life. The third chapter will showcase real-world examples of how Section 2 Rates Of Nuclear Decay Worksheet can be effectively utilized in everyday scenarios.
5. In chapter 4, the author will scrutinize the relevance of Section 2 Rates Of Nuclear Decay Worksheet in specific contexts. This chapter will explore how Section 2 Rates Of Nuclear Decay Worksheet is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, the author will draw a conclusion about Section 2 Rates Of Nuclear Decay Worksheet. This chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Section 2 Rates Of Nuclear Decay Worksheet.

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