

## Atomic Structure Worksheet

Label the parts of an atom on the diagram below.



4. What type of charge does a proton have?

Positive (+1)

5. What type of charge does a neutron have?

Neutral (0)

6. What type of charge does an electron have?

Negative (-1)

7. Which two subatomic particles are located in the nucleus of an atom?

Protons and neutrons

8. If an atom has 35 protons in the nucleus, how many electrons will it have orbiting the nucleus?

35

9. What is the atomic number of the atom in the diagram above?

5

10. What is the atomic mass/mass number of the atom in the diagram above?

$(11+11=22)$  \*protons and neutrons added together) 22 is the atomic mass/mass number

11. How many protons are in the nucleus of an atom with an atomic number of 15?

15 \*number of protons is the same as the atomic number

12. How many electrons are in the nucleus of an atom with an atomic number of 20?

20

13. How many neutrons are in the nucleus of an atom with an atomic number of 25?  
(use Periodic Table for mass)

30 Neutrons. atomic mass: 54.938 ~ 55 atomic number: 25..... $55-25=30$

14. What is the mass number of an atom with 3 protons, 4 neutrons, and 3 electrons?

Mass number= 6.94. (Li-Lithium has an atomic number of 3 which means it has 3 protons.

15. How many neutrons are in the nucleus of an atom that has an atomic mass of 36 and an atomic number of 25?

Neutrons= 11 (atomic mass: 36 - 25 :atomic number)

# Analyzing Atomic Structure Worksheet Answers

**Peipei Pang**



## **Analyzing Atomic Structure Worksheet Answers:**

The book delves into Analyzing Atomic Structure Worksheet Answers. Analyzing Atomic Structure Worksheet Answers is a vital topic that needs to be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Analyzing Atomic Structure Worksheet Answers, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
    - Chapter 1: Introduction to Analyzing Atomic Structure Worksheet Answers
    - Chapter 2: Essential Elements of Analyzing Atomic Structure Worksheet Answers
    - Chapter 3: Analyzing Atomic Structure Worksheet Answers in Everyday Life
    - Chapter 4: Analyzing Atomic Structure Worksheet Answers in Specific Contexts
    - Chapter 5: Conclusion
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  4. In chapter 3, the author will examine the practical applications of Analyzing Atomic Structure Worksheet Answers in daily life. The third chapter will showcase real-world examples of how Analyzing Atomic Structure Worksheet Answers can be effectively utilized in everyday scenarios.
  5. In chapter 4, this book will scrutinize the relevance of Analyzing Atomic Structure Worksheet Answers in specific contexts. This chapter will explore how Analyzing Atomic Structure Worksheet Answers is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, the author will draw a conclusion about Analyzing Atomic Structure Worksheet Answers. This chapter will summarize the key points that have been discussed throughout the book.
- This 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 Analyzing Atomic Structure Worksheet Answers.

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