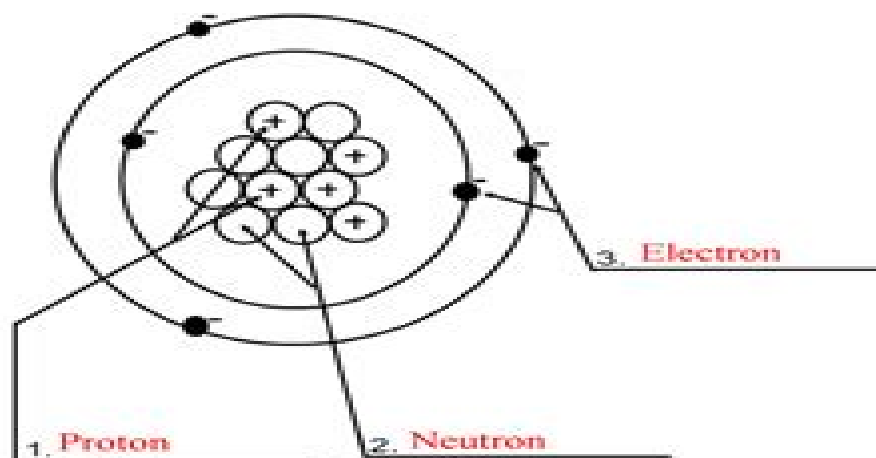


Atomic Structure Worksheet

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)

Answers For Atomic Structure

LL Leslie

A decorative graphic consisting of a red circle with a white center, partially obscured by a white horizontal bar.

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Table of Contents Answers For Atomic Structure

1. Understanding the eBook Answers For Atomic Structure
 - The Rise of Digital Reading Answers For Atomic Structure
 - Advantages of eBooks Over Traditional Books
2. Identifying Answers For Atomic Structure
 - 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 Answers For Atomic Structure
 - User-Friendly Interface
4. Exploring eBook Recommendations from Answers For Atomic Structure
 - Personalized Recommendations
 - Answers For Atomic Structure User Reviews and Ratings
 - Answers For Atomic Structure and Bestseller Lists

5. Accessing Answers For Atomic Structure Free and Paid eBooks
 - Answers For Atomic Structure Public Domain eBooks
 - Answers For Atomic Structure eBook Subscription Services
 - Answers For Atomic Structure Budget-Friendly Options
6. Navigating Answers For Atomic Structure eBook Formats
 - ePub, PDF, MOBI, and More
 - Answers For Atomic Structure Compatibility with Devices
 - Answers For Atomic Structure Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Answers For Atomic Structure
 - Highlighting and Note-Taking Answers For Atomic Structure
 - Interactive Elements Answers For Atomic Structure
8. Staying Engaged with Answers For Atomic Structure
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Answers For Atomic Structure
9. Balancing eBooks and Physical Books Answers For Atomic Structure
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Answers For Atomic Structure
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Answers For Atomic Structure
 - Setting Reading Goals Answers For Atomic Structure
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Answers For Atomic Structure
 - Fact-Checking eBook Content of Answers For Atomic Structure
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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