

PRACTICE - TEST on Atomic Structure

Name: _____

- 1) Complete the table below – *Note that the particles are not in the same order.* 3 points

	Charge	Location	AMU
Neutron	0	In Nucleus	1
Electron	1-	Electron Cloud	0
Proton	1+	In Nucleus	1

- 2) Complete the table below – 5 points

Protons + Neutrons = Mass #

Isotope Symbol	Element Name	Atomic Number	Number of Protons	Number of Neutrons	Mass Number	Number of Electrons
^{15}N	Nitrogen	7	7	8	15	7
^{28}Al	Aluminum	13	13	15	28	13
^{41}Ca	Calcium	20	20	21	41	20
^{74}Br	Bromine	35	35	39	74	35

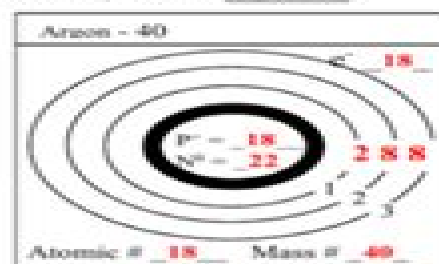
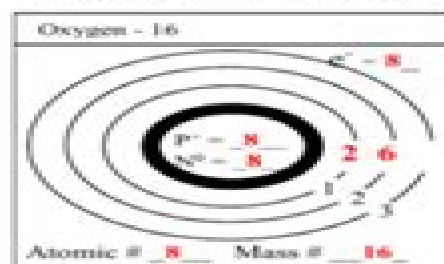
- 3) Complete the table below – 5 points

		Atomic #	P ⁺	e ⁻	E1	E2	E3	E4	Ve ⁻	Group
F	N-m	9	9	9	2	7			7	7A - Halogens
P	N-m	15	15	15	2	8	5		5	5A -
Mg	M	12	12	12	2	8	2		2	2A - Alkali Earth Metals

- 4) Draw the Lewis Structures for the following neutral atoms. 6 points



- 5) Complete the boxes below. Be sure to include the electron configuration on the correct energy levels. Draw the Lewis Structure of each resulting atom. 7 points



Atomic Structure Test Answers

Peter P. Berlow



Atomic Structure Test Answers:

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Table of Contents Atomic Structure Test Answers

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

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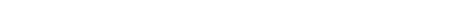
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