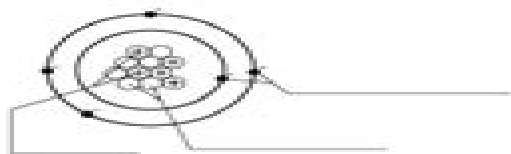


Basic Atomic Structure

1. Label the parts of an atom in the diagram below



- What type of charge does a proton have? _____
- What type of charge does a neutron have? _____
- What type of charge does an electron have? _____
- Which two subatomic particles are located in the nucleus of an atom? _____

2. An element is represented by its chemical symbol along with a few numbers. Based on the example on the right, fill in the numbers of protons (P), neutrons (N), and electrons (E) for the following elements.

8	← Atomic Number
O	← Symbol
Oxygen	← Name
15.999	← Average atomic mass

6	#P _____
C	#N _____
Carbon	#E _____
12.011	

10	#P _____
Ne	#N _____
Neon	#E _____
20.108	

19	#P _____
K	#N _____
Potassium	#E _____
39.098	

3. Complete the table using your knowledge of the periodic table.

Symbol	Atomic Number	Mass Number	Number of Protons	Number of Electrons	Number of Neutrons
Na			11		12
K		39		19	
			38		50
F				9	10
	20	40		20	
	50			50	69
I	53	127			

Ch 4 Introduction To Atoms Answers Key

JR Anderson



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Company, Coastline Company Staff, Coast Telecourses, 1997-07 This guide is the student's road map through the telecourse linking the video programs to each of the accompanying textbooks. It is a starting point for each lesson and contains step by step assignments for reading, viewing, and completing related activities, overviews of each lesson's content, and the accompanying video program and a complete array of learning activities.

Chemistry Karen Timberlake, 2003 Chemistry: An Introduction to General, Organic, and Biological Chemistry, now in its eighth edition, makes chemistry exciting by showing why important concepts are relevant to the lives and future careers of readers. The new design, digital images, photos, Career Focus features, and macro to micro art enhance the new edition while it retains the many features that have made this book so successful. The writing, as always, is exceptionally friendly. Each section contains sample problems that develop readers' critical thinking skills. This edition also contains more conceptual problems than ever before and has been redesigned to accommodate new styles of learning and teaching with a wide variety of pedagogical tools. Health and Environmental Notes throughout the book highlight topics that are relevant to readers' lives and are ideal for classroom discussion. Explore Your World activities in each chapter make chemistry exciting, relevant, and non-threatening.

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