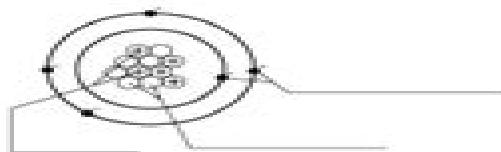


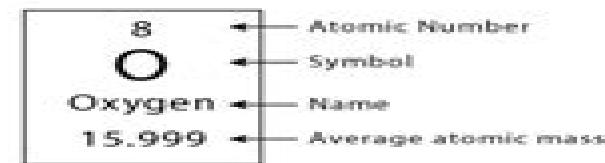
Basic Atomic Structure

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.



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

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

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

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			

Atomic Structure 33 Answers

Curtis B. Anderson, Peter C. Ford, John H. Kennedy, John Harvey Kennedy

Atomic Structure 33 Answers:

Exploration of the Structure of Atom Chandan Sengupta, First Publication April 2019 Revised Publication October 2022 Second Revised Edition July 2023 Third Revised Edition December 2024 Published by Chandan Sengupta Printed by IECIT Printing and Publication Services Resource Centre Arabinda Nagar Bankura 722101 W B India Topics Covered Atoms and Molecules Structure of Atom Bonding Mechanism and Chemical Reactions Mechanism of Bonding This book is suitable for students of Class 9 to Class 11 Students aspiring for Pre Medical Entrance Examination can also get adequate support Additional Hard Copies can also be obtained from Chandan Sukumar Sengupta Arabinda Nagar Bankura 722101 WB Write to Us for more materials

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