

**LECTURE QUESTIONS ON ATOMIC STRUCTURE, CHEMICAL SYMBOLS, ATOMIC NUMBER, MASS  
NUMBER, ISOTOPES, AVERAGE ATOMIC MASS**

Part I: Element Names

1. What is the correct way to write a chemical symbol?
2. Why do some of the symbols not match the name of the element?

Make sure you can recognize the chemical symbols for following elements

Name	Symbol
Hydrogen	H
Helium	He
Lithium	Li
Beryllium	Be
Boron	B
Carbon	C
Nitrogen	N
Oxygen	O
Fluorine	F
Neon	Ne
Sodium	Na
Magnesium	Mg
Aluminum	Al
Silicon	Si
Phosphorus	P
Sulfur	S

Name	Symbol
Chlorine	Cl
Argon	Ar
Potassium	K
Calcium	Ca
Iron	Fe
Nickel	Ni
Copper	Cu
Zinc	Zn
Bromine	Br
Silver	Ag
Tin	Sn
Iodine	I
Gold	Au
Mercury	Hg
Lead	Pb
Uranium	U

Part II: Atomic Structure and Model

1. When was the concept of an atom first made?
2. What does atom mean?
3. How can electrons move from one energy level to another?
4. Summarize Dalton's atomic theory in your own words.
5. Summarize Bohr's Model