

Name: _____

Date: _____

Unit 2 - Topic 2

Subatomic Particles & Notation

Fill in the blanks for the elements in this chart. Use Table S and the Periodic Table of Elements as needed. For the purpose of this chart, round all atomic masses to the nearest whole number.

Element	Number of Protons	Number of Neutrons	Number of Electrons	Mass Number	Atomic Number	Isotopic Notation
Lithium	3	4	3	7	3	${}^7_3\text{Li}$
Carbon						
Chlorine						
Silver						
Lead						
Calcium						
Yttrium						
Radium						
Nickel						
Uranium						
Sulfur						

1. How are the atomic number and number of protons related to each other?

2. How do you determine the number of neutrons in an atom?

3. What is true about the number of protons and the number of electrons in an atom?
