

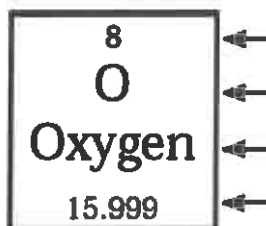
Protons, Neutrons, and Electrons Practice Worksheet

Calculating the number of each particle in an atom:

Protons = Atomic Number

Electrons = Protons

Neutrons = Atomic Mass – Atomic Number OR Big # - Small



Use the periodic table to find the numbers of protons, neutrons, and electrons for atoms of the following elements.

Name of Element	Element Symbol	Mass Number	Atomic Number	Protons	Neutrons	Electrons
Boron	B	11	5	5	6	5
Sodium		24	11			
	Y	89				39
Copper			29		35	
	Tc	98		43		
	Pb	207				
Thallium		204	81			
	H				0	
Carbon		12				
	N			7		
	Ba					56
Calcium						
	Si					14
Argon			18			
	Mg			12		12

Name: _____
Hour: _____ Date: _____

Chemistry: Ions and Subatomic Particles

Directions: Complete the following table.

<u>Ion Symbol</u>	<u>Protons</u>	<u>Electrons</u>	<u>Charge</u>
S²⁻			
K¹⁺			
Ba²⁺			
Fe³⁺			
Fe²⁺			
F¹⁻			
O²⁻			
P³⁻			
Sn⁴⁺			
Sn²⁺			
N³⁻			
Br¹⁻			
Mg²⁺			
Cu¹⁺			
Cu²⁺			
U⁶⁺			
Mn⁵⁺			
Cl¹⁻			
Se²⁻			