

Name _____
Period _____

Parts of an Atom Study Guide

Vocabulary: Define the following, be sure to tell the location, charge and any other characteristics of the following:

Atom

Nucleus

Proton

Neutron

Electron

Energy level of electron – (be sure to detail the maximum number of electrons that can fill each energy level)

Electron cloud

Atomic number – how do you calculate this?

Atomic mass – how do you calculate this?

Isotopes

Name _____ Period ____ Date _____

MORE ON ATOMS

Particle	Location	Charge	Mass (amu)
Proton			
Neutron			
Electron			

FILL IN THIS TABLE *WITHOUT* USING A PERIODIC TABLE.

Element	Symbol	Atomic Number	Atomic Mass	# of Protons	# of Neutrons	# of Electrons
Oxygen	O	8	16			
Nitrogen	N	7			7	
Carbon	C		12			6
Chlorine	Cl		35	17		
Titanium	Ti	22			26	
Potassium	K		40			19
Plutonium	Pu				150	94
Sulfur	S	16	32			
Krypton	Kr			36	48	
Calcium	Ca		40			20