

Atomic LC Review Packet

DIRECTIONS: Define the following terms.

Atom

Atomic number

Mass number

Subatomic particles

Proton

Electron

Neutron

Nucleus

Electron cloud

Energy levels

Molecule

Compound

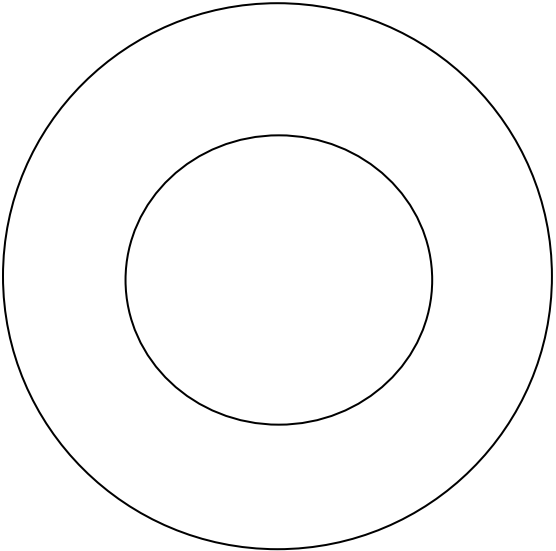
Element

Periodic

Group

Period

Atoms

Define	Subatomic Particles		
<p>Nucleus: _____</p> <p>Atomic #: _____</p> <p>Mass #: _____</p> <p>Electron cloud: _____</p> <p style="margin-left: 40px;">Maximum # of electrons (seats):</p> <ul style="list-style-type: none"> • Energy level 1 (inside): _____ • Energy level 2: _____ • Energy level 3: _____ 	Location	Charge	Name of Subatomic Particle
Show an Atom	Extension		
<p>Draw an atom below with:</p> <ul style="list-style-type: none"> • Atomic # = 6 • Mass # = 11 <div style="text-align: center; margin-top: 20px;">  </div>	<p>1) Create a rule to describe the relationship between positive and negative charges in an atom.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>2) All protons are identical. However, not all atoms are identical. Explain how this is possible.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>		

Molecules

1. CuSO_4

CuSO_4	
Name of Element	Number of Atoms of Element
Total # of elements =	Total # atoms =

Picture of chemical formula CuSO_4



Is this a compound? Explain why or why not.

2. CaCO_3

CaCO_3	
Name of Element	Number of Atoms of Element
Total # of elements =	Total # atoms =

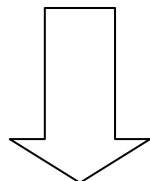
Picture of chemical formula CaCO_3



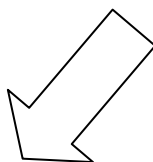
Is this a compound? Explain why or why not.

Elements, Molecules, & Compounds

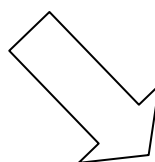
Insert Chemical symbol/formulas HERE!



Are atoms BONDED?



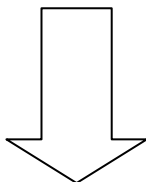
YES



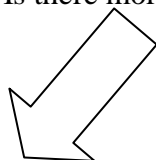
NO

MOLECULE

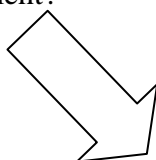
ELEMENT



Is there more than 1 element?



YES



NO

Compound

MOLECULE