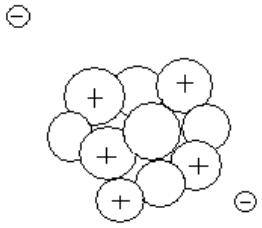
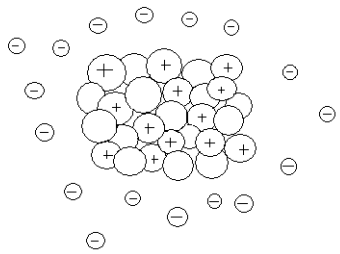
Name: _____ Date: _____ Period: _____ ASSIGN

Practice with Atomic Structure

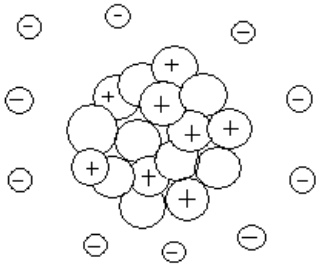
Identifying atomic structure: For each atom below, say how many protons, neutrons, and electrons it has. Then, write its atomic number, atomic mass number, and the charge of the atom.



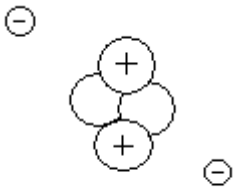
1. Boron
protons: _____
neutrons: _____
electrons: _____
Atomic #: _____
Atomic Mass #: _____
Charge: _____



2. Aluminum
protons: _____
neutrons: _____
electrons: _____
Atomic #: _____
Atomic Mass #: _____
Charge: _____



3. Oxygen
protons: _____
neutrons: _____
electrons: _____
Atomic #: _____
Atomic Mass #: _____
Charge: _____



4. Helium
protons: _____
neutrons: _____
electrons: _____
Atomic #: _____
Atomic Mass #: _____
Charge: _____

Draw an Atom: Calculate the number of protons, neutrons, and electrons for each atom. Then draw the atom in the space provided. Write the charges inside the protons and electrons (see above).

5. Mercury
protons: _____
neutrons: _____
electrons: _____
Atomic #: 80
Atomic Mass #: 201
Charge: +2

6. Krypton
protons: _____
neutrons: _____
electrons: _____
Atomic #: 36
Atomic Mass #: 84
Charge: 0

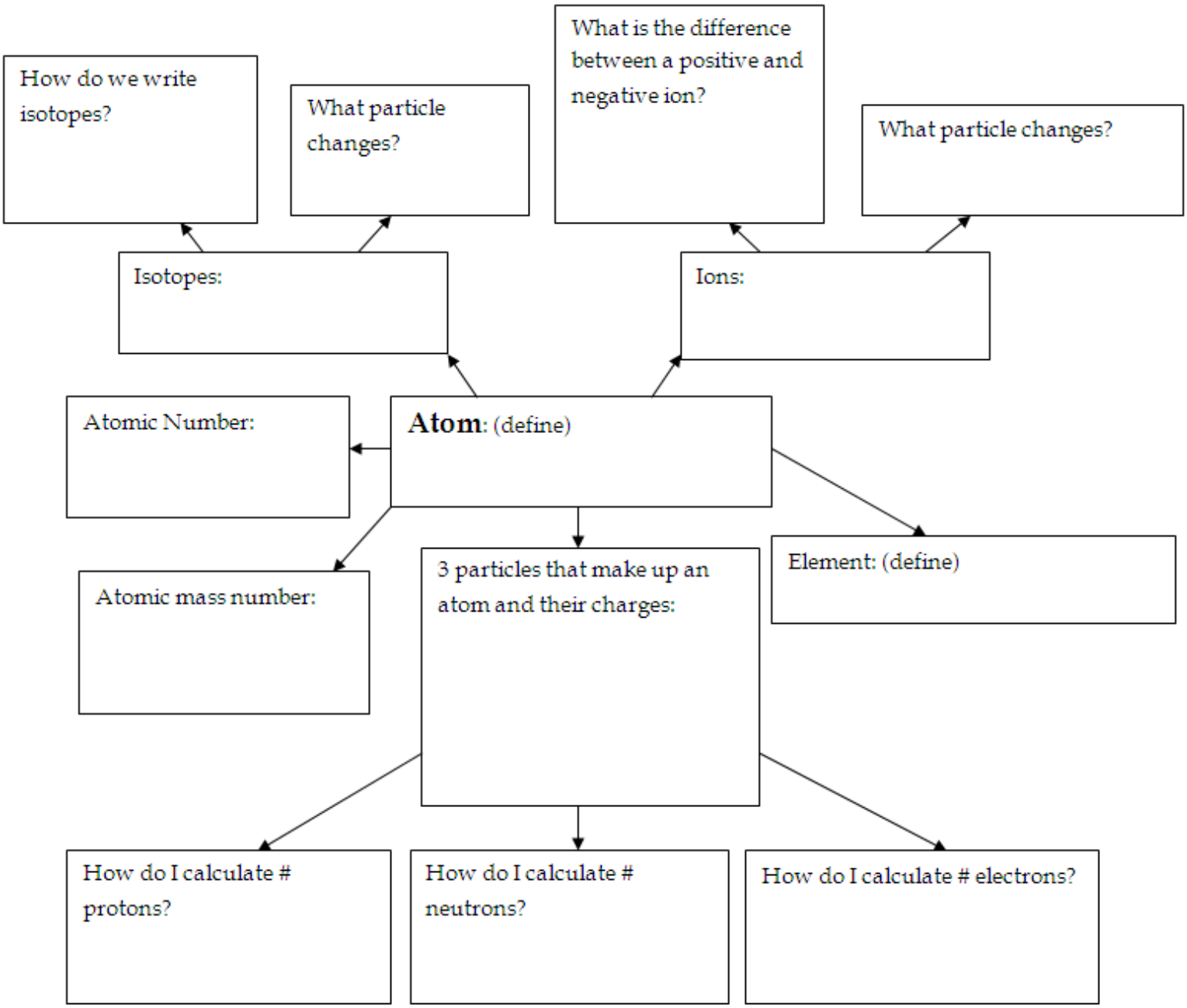
7. Beryllium
protons: _____
neutrons: _____
electrons: _____
Atomic #: 4
Atomic Mass #: 9
Charge: +2

8. Bromine
protons: _____
neutrons: _____
electrons: _____
Atomic #: 35
Atomic Mass #: 80
Charge: -1

Chart: Fill in the chart below.

Element	Atomic Number	Atomic Mass #	# Protons	# Neutrons	# Electrons
Helium			2		
Sulfur (-2)		33	16		
Potassium -39 (+1)	19				
Iodine (-1)	53	127			
Silver		108	47		
Cobalt – 59 (+2)	27				
Lithium – 7 (+1)	3				

Graphic Organizer: Fill in the graphic organizer below. Use your Atomic Structure notes to help you.



Summarize: Summarize what YOU think is important to know about atomic structure.