

Name: _____ Date: _____ Block: _____

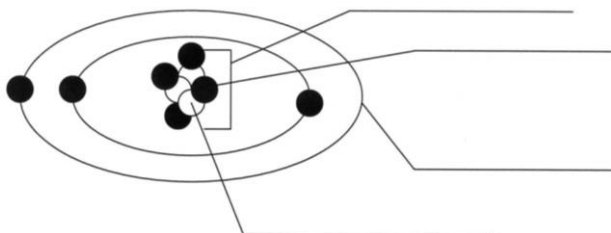
Subatomic Particles and Bohr Model Worksheet

Commented [LA1]: Currently missing updated answer key (in correct order)
Need to rejig bohr model rules...

1. The subatomic particle with no electrical charge is the _____; the subatomic particle with a positive charge is the _____; the subatomic particle with a negative charge is the _____.
2. In a neutral atom, there are the same number of these two particles: _____ and _____.
3. The atomic number ("element number") is the same as the number of _____.
4. Where is most of the mass of an atom located? _____
5. Complete the following table.

Element Name	Element Symbol	Atomic Number	Atomic Mass	Number of Protons	Number of Neutrons	Number of Electrons
Sodium						
	K					
				38		
		20				
Magnesium						
	Br					
Aluminum						
			54.9			
	Ba					
		17				

6. Label the parts of this atom (nucleus, protons, electrons, neutrons).



7. The atomic number is the number of _____ in one atom of an element. It is also the number of _____ in a neutral atom of that element. The atomic number gives the “identity” of an element. No two different elements will have the _____ atomic number.
8. In order to calculate the number of neutrons, you must subtract the _____ from the _____.
9. * _____ reactions involve the sharing and giving of _____. The number of electrons in an element determines its _____ properties.
10. Draw Bohr models for the following:

Lithium (Li)	Hydrogen (H)	Helium (He)
Magnesium (Mg)	Nitrogen (N)	Fluorine (F)
Argon (Ar)	Potassium (K)	Aluminium (Al)