

Name: _____ Date: _____ Class: _____

1. Fill in the table below.

	Symbol	Charge	Location
Protons			
Electrons			
Neutrons			

2. Use the Periodic Table to fill in the missing information in the table below:

	Atomic Number	Element Symbol	Mass Number	Number of Protons	Number of Electrons	Number of Neutrons
a.	11					
b.			40		20	
c.	17					18
d.					18	
e.			52	24		
f.		Li	7			
g.			197	79		
h.	82					125
i.	*	Fe				31
j.	*		2		1	
k.	*				6	7
l.	*	Cl				19

3. Examine the periodic table to help answer the following questions:
 - a. Draw Bohr diagrams for Hydrogen, Lithium, Sodium, and Potassium.
 - b. What do the drawings of these elements have in common?
 - c. Draw Bohr diagrams for Beryllium and Magnesium.
 - d. Based on your answers for the three questions above, and what you can see in the Periodic Table, predict the number of electrons in the outer ring of Calcium.
 - e. Predict the number of electrons in the outer rings of Boron, Aluminum, and Gallium.
 - f. Draw Bohr diagrams for Neon and Argon.
 - g. Why is Helium in the same column as Neon and Argon?