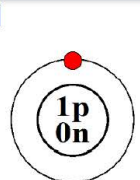
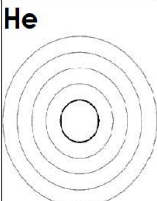


# Homework

**ASSIGNMENT #1: Bohr Model Practice, Worksheet pages 6-8**  
 This assignment is to be completed below in the space provided.

Use the innermost circle as the nucleus, and fill the electron shells with the correct number of electrons for each of the first 20 elements in the Periodic Table.  
 eg. Hydrogen has been completed for you as an example.

## Bohr Diagrams for the first 20 Elements

Group 1							Group 8	
Period 1	H 							He 
	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7		
Period 2	Li	Be	B	C	N	O	F	Ne
Period 3	Na	Mg	Al	Si	P	S	Cl	Ar
Period 4	K	Ca						

1. What is the pattern between the number of **valence electrons** and the group number of the periodic table?
2. What is the pattern between the number of **electron shells** and the period number of the periodic table?