

Lewis Dot Diagrams

Name - _____

1.) What type of bonding are Lewis diagrams useful for representing?

2.) State the number of valence electrons for each of the following elements:

a.) Carbon _____

b.) Argon _____

c.) Lithium _____

d.) Magnesium _____

e.) Hydrogen _____

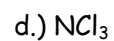
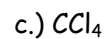
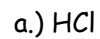
f.) Helium _____

g.) Sulphur _____

3.) Complete the following table by drawing what is asked for.

Element	Bohr diagram for atoms	Lewis diagram for atoms	Lewis diagram for ions
Hydrogen			
Potassium			
Beryllium			

4.) Draw Lewis diagrams for each of the following molecules. Be sure to use "x" to represent electrons for the second element.



5.) Correct the following Lewis structures that have mistakes.

