**Chapter 8 - For each of the following elements, draw the Lewis Dot Structure.**

C H O Al S N Cl F Na

**For each of the following elements, write down the correct # of valence electrons, then draw the Lewis Dot Structure. Also, Label the formal charge for each atom.**

|  |  |  |
| --- | --- | --- |
| **PF5** # Valence electrons \_\_\_\_\_\_\_ | **CS2** Valence electrons \_\_\_\_\_\_\_ | **BrO3-** |
|  |  |  |
| **NH4+** Valence electrons \_\_\_\_\_\_\_ | **SCl4** Valence electrons \_\_\_\_\_\_\_ | **BrF5** |
|  |  |  |
| **BF3** Valence electrons \_\_\_\_\_\_\_ | **SCl6** Valence electrons \_\_\_\_\_\_\_ | **PH3** |
|  |  |  |
| **NF3** Valence electrons \_\_\_\_\_\_\_ | **SO42-** Valence electrons \_\_\_\_\_\_\_ | **CO32-** |
|  |  |  |
| **SiCl4** Valence electrons \_\_\_\_\_\_\_ | **ClO3-** Valence electrons \_\_\_\_\_\_\_ | **CH2O** |
|  |  |  |
| **NO3-** Valence electrons \_\_\_\_\_\_\_ | **O3** Valence electrons \_\_\_\_\_\_\_ | **CCl4** |
|  |  |  |
| **AlH3** Valence electrons \_\_\_\_\_\_\_ | **SO2** Valence electrons \_\_\_\_\_\_\_ | **SO3** |
|  |  |  |
| **CO** Valence electrons \_\_\_\_\_\_\_ | **CHCl3** Valence electrons \_\_\_\_\_\_\_ | **BrF3** |
|  |  |  |
| **H2S**  Valence electrons \_\_\_\_\_\_\_ | **I3-** Valence electrons \_\_\_\_\_\_\_ | **H3O+** |