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| Group Name: |  |

Lewis Dot Structure

Group Lab Report

## **LibreTexts page:** [**7: Molecular Structure**](https://chem.libretexts.org/Courses/University_of_Arkansas_Little_Rock/Chem_1402%3A_General_Chemistry_1_(Belford)/Laboratory/07%3A_Experiment_7_-_Molecular_Structure)

## **(**<https://chem.libretexts.org/link?214684>)

**Please don’t edit, rearrange or delete anything that is already in this document. Just add your answers inside the boxes.**

**You can use shortcuts for superscripts and subscripts when needed:**

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For each compound\*:

1. Draw **Lewis Dot Structure** and any **resonance structures**. Take a picture of it and insert it in the table. Resize as needed.
2. Calculate **formal charges** of atoms. Show calculations for partial credit.  
   **Hint**: go to <https://chem.libretexts.org/link?52857>

\*Use water as an example.

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| --- | --- | --- |
| **Compound** | **Lewis Dot Structure, Resonance structures** | **Formal charge of atoms** |
| **H2O** |  | O = 6 - 4 - (4/2) = 0  H = 1 - 0 - (2/2) = 0 |
| **NH3** |  |  |
| **NH4+** |  |  |
| **SO2** |  |  |
| **NO3-** |  |  |
| **SeCl4** |  |  |
| **AlCl3** |  |  |
| **XeCl4** |  |  |