**Chem 1013: mini-quiz #8: Lewis modeling Monday 11 Feb 6 pts**

Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **How many total valence electrons must be considered for the compounds listed below**

**Total valence electrons**

1. **CO \_\_\_**
2. **CH4 \_\_\_\_**
3. **O2 \_\_\_\_**
4. **N2 \_\_\_\_**
5. **Draw the best Lewis bond arrangement for N2 using the template below. Make sure to include all the lone pairs as well as the number of bonds (2 pts)**

**N N**

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