

Non Sibi High School

Andover's Chem 550/580: Advanced Chemistry

Chapter 9, Review Quiz 1

1

Write the chemical formula for each compound:

- ammonium phosphate
- butanol
- aluminum sulfate
- potassium nitride

2

Write the name of each compound:

- $\text{Fe}(\text{OH})_3$
- P_2O_5
- $\text{Mg}(\text{HCO}_3)_2$
- C_6H_{14}

3

Draw Lewis structures for:

- boron trichloride
- SF_5^-

4

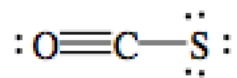
Draw Lewis structures for H_2CNH and CH_3NH_2 . Which molecule will have the longer carbon-to-nitrogen bond length?

5

Draw all the resonance structures for NO_2^-

6

Show any non-zero formal charges on the following Lewis structure:



This work is licensed under a
Creative Commons Attribution-NonCommercial-NoDerivs 3.0 Unported License
Contact: kcardozo@andover.edu