1. (3 points) Draw the best Lewis structure for the following compound. You must show all lone pair electrons. You must place the formal charge on the atoms. PH₃ **2.** (3 points) Draw resonance forms for the following ion: NO₂ **3.** (2 point) What is the name of NO₂ ? **4.** (3 points) Draw a correct Lewis structure for the sulfate ion. Show formal charges on each atom. **5.** (3 points) Draw three Lewis structures for N₂O. Make N the central atom. 7. (2 points) What is the molecular geometry of ozone, O₃? 8. (2 points) What is the molecular geometry of Carbon tetrachloride? 9. (2 points) What is the molecular geometry of Sulfur hexafluoride?

CHEM 1100 Resonance structures, Shape, Polarity Practice