

**Quiz 6: Lewis dot Structures, Resonance, and VSEPR  
Theory  
(10 pts)**

1. Draw a valid Lewis dot structure for  $\text{IO}_3^-$  (5 pt) Label and draw its predicted geometry and bond angles.
2. Calculate and label the formal charges in the structure you drew. (2 pt)
3. Is that the best resonance structure you could draw? Why or why not? If not, draw the best resonance structure and any equivalent resonance structures.