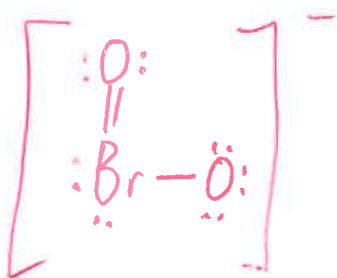


Quiz 10.3 – Violations of the Octet Rule

Name: Key**Problem 1 (3 points)**Draw the best Lewis structure for the Bromite ion, BrO_2^-

(If there is resonance, you only need to draw one resonance structure)

**Question 2 (2 points)**Consider the acetone molecule CH_3COCH_3 . Which bonds are polar, which direction is the bond dipole, and which bond has the strongest dipole?