**HomeWork 21**

**Due Friday 5 December**

**Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_/10**

**1)Draw the best Lewis structure for the species below assuming the minimum formal charge rule is in force: (2 pts each/6 pts total)**

**a)ClO4 -1 b)SO42- AsO43-**

**2)What is the bond order for each of the compounds above?**

**a) \_\_\_\_\_\_\_\_\_\_ b)\_\_\_\_\_\_\_\_\_ c) \_\_\_\_\_\_\_\_\_\_\_**

 **bond order**

**3) Resonance occurs in: (circle your choice)**

**i) just a**

**ii) just b**

**iii) just c**

**iv) a and b**

**v) b and c**

**vi) a and c**

**vii) a, b and c**