HOMEWORK 3B: Formula Writing and Acid Nomenclature

1. What is the name of the following?
   a) PbO₂
      _______________________________________________
   b) Al₂O₃
      _______________________________________________
   c) MnO₂
      _______________________________________________

2. What is the charge of Mn in KMnO₄ (show your work)?
   __________

3. What is the charge of C in K₂CO₃ (show your work)?
   __________

4. Write the chemical formula for the following:
   a. Sulfurous acid
      _______________________________________________
   b. Sulfuric acid
      _______________________________________________
   c. Phosphoric acid
      _______________________________________________
   d. Sulfate ion
      _______________________________________________
   e. Phosphate ion
      _______________________________________________