**Homework #4 Chemistry 1114 section 2 (Fong) due Wednesday 13 Sept 2017 15 pts (in class)**

**Your name:\_\_\_\_\_\_\_\_\_\_\_answers\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4.0 Prefix Check-up (2 pts/ answer)**

**Convert the following to their best, prefixed expressions**

**6.0\*10-8 g = \_\_\_\_\_\_\_60 ng\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2.4\*107 m= \_\_\_\_\_\_\_24 Mm\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4.0 How does Dalton define compound ? (check chapter 2 of text) (1 pt)**

**A compound is a whole numbered combination of atoms of different elements.**

**4.1. Naming Circus: (2 pts/answer)**

(see : oxyanion list from lab or from Website under Laboratory)

1. Write the formula for sodium sulfate \_\_**\_Na2SO4**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Write the name for CoCl2 \_\_\_**Cobalt(II) chloride**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Write the formula for iron(III) carbonate \_\_\_\_\_**Fe2 (CO3)3**\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Write the name for NO \_\_\_\_\_\_\_**nitrogen monoxide**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Write the formula for calcium nitride \_\_\_\_\_**Ca3N2**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_