

**Molar Mass and the Mole****Molar Mass (M):** \_\_\_\_\_

\*since 1 mol of C-12 = 12g,

Average atomic mass in u = \_\_\_\_\_

Ex 1. One mol of O =

Ex 2. One mol of AgI =

Ex 3. Find the Molar Mass (M) for

a) NaCl

b) CH<sub>4</sub>c) Ca<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>**Moles to Mass Conversions**Ex 4. What is the mass of a 0.750 mol sample of CO<sub>2</sub>?Ex 5. How many mol are in a 23.6 g sample of MgCl<sub>2</sub>?Ex 6. What is the mass of  $3.67 \times 10^{24}$  formula units of K<sub>2</sub>O?