Name: _____ Band: _____ HW 6.1

You may show your work on this page, or attach your work on a separate page. Answers must be placed in answer spaces.

1.) How many atoms are in 3 mols of Sn (Tin)? = _____ moles

2.) How many formula units are in 0.400 mols of KCl? =_____

3.) How many molecules are in 7.5 mols of SO_2? =_____

4.) How many formula units are in 4.80×10^{-3} mols of NaI? =_____

5.) How many mols are in 1.50×10^{23} molecules of NH_3? =_____

6.) How many mols are in 1×10^{9} molecules of oxygen? =_____

7.) How many mols are in 6.02×10^{22} molecules of Br_2? =_____

8.) How many mols are in 4.8×10^{24} atoms of Li? =_____

9.) What is the gram formula mass of H_3PO_4? =_____

10.) What is the gram formula mass of $CaCO_3$? =_____

11.) What is the gram formula mass of $C_4H_9O_2$? =_____

12.) What is the gram formula mass of N_2O_3? =_____

13.) What is the gram formula mass of $(NH_4)_2SO_4$ =_____

14.) What is the gram atomic mass of Br_2? =_____

15.) How many mols are there in 15.5 grams of SiO_2? =_____

16.) How many mols are there in 5.96 grams of KOH? =_____

17.) How many mols are in .0688 grams of AgCl? =_____

18.) How many mols are in 79.3 grams of Cl_2? =_____

19.) How many mols are in 937 grams of $Ca(C_2H_3O_2)_2$? =_____

20.) How many mols are in 0.800 grams of Ca? =_____