

Chemistry I

Mass-Mole Conversion Handout

Name _____

Date _____

Calculate the molecular mass for each of the following molecules:

1. KOH

2. N_2O_2

3. $\text{Sr}_3(\text{PO}_4)_2$

Convert each of the following from grams to moles:

4. 15.0 g C_2H_6

5. 140.0 g NaOH

6. 27.2 g H_2O

7. 45.7 g CaCO_3

Convert moles to grams in each of the following:

8. 1.5 moles NH_3

9. 0.65 moles H_2SO_4

Convert the following to moles:

10. 3.01×10^{23} atoms Na

11. 2.41×10^{24} molecules CO_2

Using Factor-Labeling, convert the following to atoms or molecules:

12. 2.56 moles Ca

13. 0.75 moles AlCl_3

