Mass-Mole Conversion Worksheet

Name_____
Period_____

Calculate the molecular mass for each of the following molecules:

1. KOH
2. N_2O_2
3. Cu_2SO_4
4. $Sr_3(PO_4)_2$

Using Factor-Labeling, convert each of the following from grams to moles:

5. 15.0 g C_2H_6
6. 140.0 g NaOH
7. 27.2 g H_2O
8. 45.7 g $CaCO_3$

Using Factor-Labeling, convert moles to grams in each of the following:

9. 1.5 moles NH_3
10. 0.65 moles H_2SO_4

Using Factor-Labeling, convert the following to moles:

11. 3.01×10^{23} atoms Na
12. 2.41×10^{24} molecules CO_2

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

13. 2.56 moles Ca
14. 0.75 moles $AlCl_3$

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