

Mass-Mole Conversion Worksheet

Name _____

Period _____

Calculate the molecular mass for each of the following molecules:

1. KOH 2. N₂O₂ 3. Cu₂SO₄ 4. Sr₃(PO₄)₂

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

5. 15.0 g C₂H₆ 6. 140.0 g NaOH

7. 27.2 g H₂O 8. 45.7 g CaCO₃

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

9. 1.5 moles NH₃ 10. 0.65 moles H₂SO₄

Using Factor-Labeling, convert the following to moles:

11. 3.01×10^{23} atoms Na 12. 2.41×10^{24} molecules CO₂

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

13. 2.56 moles Ca 14. 0.75 moles AlCl₃