

Name: _____ Date: _____ Period: _____

Mole Conversion Practice (one step)

Mass to Mole, Mole to Mass

Answer the following questions with the correct amount of significant figures. Make sure that all problems are set-up using the dimensional analysis (goal post) method and show all your work and units.

1. What is the mass of 1.0 mole of nitrogen?
2. What is the mass 1.50 moles of neon?
3. How many moles are in 45.98 g of sodium?
4. What is the mass of 14.5 moles of Cu?
5. Calculate the number of moles in 64.1g of Al.
6. What is the mass of 7.50 moles of sulfur dioxide?
7. How many grams of potassium sulfate are there in 25.3 moles?
8. How many moles are in 67.5g of carbon dioxide?
9. What is the mass of 7.22 moles of Sulfur?
10. How many moles are there in 250.0 grams of Na_3PO_4 ?