Name: _____ Date: _____ Period: ____

Mole Conversion Practice (one step)

Particles to Mole, Mole to Particles

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) or the parenthesis method and show all your work and units.

1. How many atoms are in 0.50 moles of carbon?

2. How many molecules are in 3.26 moles of H_2O ?

3. How many formula units are in 2.0×10^{-2} moles of LiF?

5. How many moles are in 4.595×10^{18} atoms of fluorine?

6. How many moles are in 6.72×10^{25} formula units of MgO?

7. How many moles are in 2.2245×10^{22} molecules of C_3H_8?