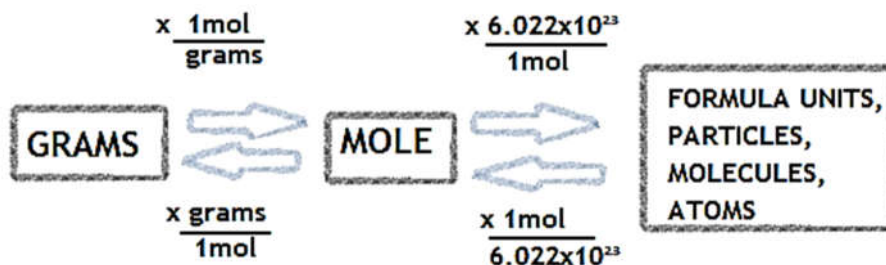


Molar Conversions Mixed Practice



*****Note: You can always find the molar mass even if it's not given to you!**
Molar Mass tells you that 1 mole of a substance = # grams of that substance

1. What is the mass of 1.37 moles of AgNO_3 ?
2. How many moles are in 0.03254 g of Ar?
3. How many grams are in 0.0345 moles of ZnCl_2 ?
4. What is the number of moles in 420.5 g of BF_3 ?

5. How many molecules are in 32.4 moles of KF?

6. What is the number of moles of 3,000,000,000 atoms of arsenic?

7. How many grams are there in 2.3×10^4 atoms of silver?

8. What is the mass of 3.5×10^{22} molecules of $\text{C}_6\text{H}_{12}\text{O}_6$?

9. How many atoms are in a solid piece of iron (Fe) that has a mass of 24.0 g?

10. How many molecules are in 450 g of NaNO_3 ?