

CHEMISTRY 3A --- WORKSHEET 11

CHAPTER 9

1. How many moles are there in 75.000 g sulfuric acid, H_2SO_4 ?
2. What is the mass in grams of 4.567×10^{22} molecules of glucose, $\text{C}_6\text{H}_{12}\text{O}_6$?
3. How many atoms are there in 25.00 g of ammonia, NH_3 ?

4. Only one isotope of X occurs in nature. One atom of this isotope has a mass of 2.107×10^{-22} g. What is the molar mass of this element?

5. How many electrons are there in 27.625 g of water, H_2O ?