MOLES PRACTICE

Find the number of moles in

1. 6.0 g of NaOH

2. 98 g of H2SO4

3. 100. g of sodium sulfate

Find the mass of

4. 0.400 moles of KOH

5. 3.78 moles of CaCO3

6. 0.800 moles of calcium nitrate

7. What is the mass of a sample of water that contains the same number of moles as

20.0 grams of CaCO3 ?

8\* What is the mass of 1.204 x 1024 molecules of NaOH?

Find the gram formula mass (molar mass) of

9. (NH4)2CO3

10. Mg(OH)2

11. Aluminum sulfate

12. Find the % sulfur by mass in SO3.

13. Find the % nitrogen by mass in Ba(NO3)2

14. Find the % water in Na2CO3●10 H2O