mole music answers

1 B 2 B 3) C 4) 98 5) 196 g 6) 6.00 7) 1.5 Liters (more difficult problem. You found out in question 6 that you needed 6.00 moles of sulfuric acid. You are told that the acid is 4.00 molar. Molarity = moles/liters, so 4.00 = 6.00/x and x = 1.5 liters

8. A 9. B 10. C 11. B ( I got 43.7) 12. B 13. B 14. D

15. C. (another harder one. 30 grams in 50 g of water is the same concentration as 60 grams in 100 grams of water. The Table (G) is for 100 grams of water. 60 grams of NH4Cl is saturated at about 66°C.

16. A 17. C 18. D 19. D 20. B

Part II.

I. 14.8 %

II. 0.10 moles of iron. 0.15 moles of chlorine, 10.7 grams ( 11 grams to 2 sig fig) of chlorine.