Worksheet Answers

Ch.10 Worksheet:

1. 5.0 mol 2. 7.5 mol 3. 4.35 mol 4. 4.96 mol 5. 1460 g 6. 6.86 mol 7. 71 g 8. 88.7 g

9. 95.0 g 10. 175 g 11. 94.8 g 12. a) O2 b) 34.4 g CO2 13. a) CH4 b) 3.37 g c) 1.51 g

More Stoichiometry Problems:

1a. 18 mol 1b. 123 g 2a. 0.639 mol 2b. 373 g 3a.155g 3b. 124 g 4a. 27.8 g 4b. 43.8 g

5a. 576 g 5b. 97.4 g 6a. 1.75 mol 6b. 26.4 g 7a. 17.5 g 8a. N2; 26.7 g NH3 8b. H2; 3.3 g

EVEN MORE STOICHIOMETRY PROBLEMS

1. 6.00 mol 2. 7.50 mol 3. 910 g 4. 2.36 mol 5. 8.27 g 6. 8.49 mol 7. 5320 g 8. 111 g

9. 1480 g 10. 35.7 g 11. 1740 g 12. 85.3 g 13. 2.3 mol 14. 1.8 mol 15. 1050 g 16. 7.67 mol

17. 184 g 18. 8.96 g 19. N2; 26.7 g NH3 20. H2; 3.25 g 21. H2; 25.3 g NH3 22. N2; 23.2 g

23. H2; 22.3 g H2O 24. O2; 2.2 g 25. 4.0 g 26. 81.3% 27. 14.6 g 28. 85.6%