Answers to sample Problem A and B in page 252

Practice Problems

22. 1.20×10^{24} ions Na^+

23. 1.20×10^{24} molecules $C_{12}H_{22}O_{11}$

24. 3.01×10^{22} molecules CO_2

25. 7.53×10^{21} atoms Hg

26. 1.56×10^{24} atoms Al

27. 5.815×10^{24} ions Ni^{2+}

28. a. 1.88×10^{24} formula units $MgCl_2$

    b. 3.76×10^{24} ions Cl^-

29. 41.5 mol MgO

30. 2.49×10^{-7} mol Au

31. 12.5 mol C_6H_6

32. 1.553×10^{-10} mol

33. 6.82×10^{-2} mol Na^+

34. 0.60 mol O_2