Answers to problems in pages 108 and 109

Isotope	Number of protons	Number of electrons	Number of neutrons
Si-28	14	14	14
Si-29	14	14	15
Si-30	14	14	16

45. ¹²₆C and ¹³₆C
46. ¹³⁰₅₆Ba and ¹³⁷₅₆Ba
47. 1s²2s²2p⁶3s²3p⁶3d⁸4s²
48. 1s²2s²2p⁶3s²3p⁶3d¹⁰4s²4p²
49. 6
50. 9

79. 1*s*²2*s*²2*p*⁶3*s*²3*p*³ **80**. 1*s*²2*s*²2*p*⁶3*s*²3*p*⁶3*d*¹⁰4*s*²4*p*⁵