Errata: ***PRINCIPLES OF STABLE ISOTOPE DISTRIBUTION***

Ch 1

p.11 "These atoms have all been present since the Big Bang….." should read:

"These atoms have all been present since their generation in stellar interiors and novae….."

p. 13 line 5 from bottom: Change "5, 8, 147, and 149, " to read ""5, 8, and 147"

p. 14 "the Big Bang" should read "nucleosynthesis."

p. 31 eq. 1.20c change $^{13}C/^{13}C$ to $^{13}C/^{12}C$ in two places

p. 36 prob 8: Change "0.1 g/l, " to read "0.3 g/l"

p. 37 problem 14, 10 keV should read 10 kV

p. 37 prob 18: Change "how many ions per second are being transmitted…. " to read "how many molecules per second are being transmitted…. , and what is their velocity if the pressure at the entrance of the capillary is 30 torr."

Ch 2

p. 41. Here and throughout the book, the word "isotopomer" should be replaced by "isotopologue" to conform to IUPAC (1997).

p. 42, line 7 from bottom: change "(equation 2.2a)" to read "(equation 2.2b)"

also, in eq. 2.5c, R should be the gas constant **R**

p. 43 2nd PP lines 7-8 equation 2.2b should read "equation 2.6

p. 76 in line 7 from bottom: $^{18}O^{16}O$ should read $^{18}O/^{16}O$

p. 84

prob 5: change "confirm their calculated abundances and confirm"
to read "confirm their calculated abundances with equation 2.8c and confirm"

prob 6: Delete "or 2.8 c."

prob 7 : equation 2.21 should read equation 2.64 "or 2.8 c."

Ch 3

p. 91 bottom this definition of the "deuterium excess" differs from normal convention

p. 92 eq. 3.3b 2.0 ±1 ‰ should read - 2.0 ±1 ‰

p. 97. line 10 from bottom, change "typically thousands of grams per kilogram," to read, "typically thousands of milligrams per kilogram"

p. 127 line 7: Change "may shorter or longer" to read "may be shorter or longer"

p.133 problem 1. For water J, the salinity should be 1.95 percent, not 19.5 per cent.

Ch 4

p. 145 in eq. 4.16 and in the following line, R should be the gas constant **R**

p. 167. Equation 4.49b change the right hand term from V $\nabla\cdot$C to read V$\cdot\nabla$C. Also, in line 3 from bottom, change "where $\nabla\cdot$C is the divergence of the concentration" to read, "where ∇C is the concentration gradient."

Ch 5

p. 186 +2 to +16 should read -2 to +16

p. 217 "…the average temperature of interaction of about 350°C…" should read "…the average temperature of interaction of about 250°C…"

Appendix:

p. 240 In the lhs of equation A.3.10.4, ν^2_{mm} should read ν^2_{Mm}

p. 241 equn. A.3.12.4 For more accuracy in Stirling's approximation, add the term 0.5 ln(2πx) to the terms, x lnx -x