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 $^{13}\text{C}/^{13}\text{C}$ to $^{13}\text{C}/^{12}\text{C}$ 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: $^{18}\text{O}/^{16}\text{O}$ should read $^{18}\text{O}/^{16}\text{O}$

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  $2.0 \pm 1 \%o$ should read  $-2.0 \pm 1 \%o$

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 $V \nabla C$ to read $V \cdot \nabla C$. Also, in  line 3 from bottom, change “where $V \cdot C$ is the divergence of the concentration” to read, “where $\nabla C$ 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,  $v^2_{\text{mm}}$ should read  $v^2_{\text{Mm}}$

p. 241  equn. A.3.12.4  For more accuracy in Stirling’s approximation, add the term  $0.5 \ln(2\pi x)$ to the terms, $x \ln x -x$