

## Errata

### *The Rainbow Textbook*

page

- 5 Figure Caption—"the jet still won't move unless the air pushes back" is overstated. It's not primarily the push of the air that causes rockets to fly. It's primarily the expansion of the combusted fuel pushing against the combustion chamber of the rocket. That's why rockets can accelerate in outer space where there is no air to push against.
- 85 Paragraph 1, line 6, change "th"→"the"
- 104 The caption is incomplete. It should end with "...them."
- 167 Taxonomy—"Chlorophyta" should not be screened back; it should be boldface.
- 182 Exercise question 2 should say "...parallel veins..." rather than "...no veins..."
- 186 Taxonomy—Rhynchocoela is misspelled
- 190 Taxonomy—"Mandibulata" should be replaced by "Tardigrada" as on pp. 194 & 196
- 194 Taxonomy—The blue color is left out of the marginal classification scheme: the scheme should include a subphylum level, including "Trilobita," "Chelicerata" and "Mandibulata."
- 196 Same as 194
- 203 Exercise 2, grammatical error, "What features, identified in the text, allow..."
- 204 Taxonomy—None of the phyla seen in this classification diagram appear elsewhere in the taxonomies. See the animal classification scheme in the Rainbow Home Laboratory Year 2 workbook for clarification.
- 206 Taxonomy—tunicates and cephalochordates are screened back, but should not be. They should appear in boldface.
- 211 The Exercises occur twice.
- 211 A ray should not appear among the bony fishes.
- 217 "Red-winged blackbird" is not a red-winged blackbird.
- 221 The word "eutheria" (*sic*), as a subclass, should be capitalized.
- 223 Exercise 1: "pro-" should be "proto-"
- 229 Taxonomy— under the class "Agnatha," "nagfish" should be "hagfish"
- 229 Taxonomy—Seals are not Carnivora as shown (They should be shown under "Pinnipedia")
- 229 Taxonomy—Tubulidentata is misspelled and should include aardvarks parenthetically beneath it.
- 231 Paragraph 2 about aardvarks "...snout at the end of a long nose." Should read "...nose at the end of a long snout."
- 231 Taxonomy—See "Seals..." under pg. 229 errata
- 231 Taxonomy—See "Tubulidentata..." under pg. 229 errata
- 234 The text is truncated at the end of the text block. The text should continue as follows:
- ...easiest way to study a person is to study the systems that we talked about earlier. People's bodies may be viewed as a number of systems that work together to do all of the things that people do. We want to learn what to call those systems, what they do, and how they are organized.
- In the following lessons we will study the structures and functions of the systems that make up humans.
- 234 Taxonomy— See "Seals..." under pg. 229 errata
- 242 A discussion of the liver was inadvertently excluded. However, there is information on liver function in the Lab workbook.
- 254 In its external texture, the cerebellum is more visibly distinct from the rest of the brain than is shown in the diagram on page 254. This diagram is schematic at best.
- 255 Exercise 2 should not end in a question mark.

- 265 The caption is not accurate for the photograph. Rather than “several different levels of toxic mercuric chloride” the effects of a single toxic level is shown in the “+” tube. No mercuric chloride was added to the “-” tube.
- 282 Reptiles were inadvertently placed in the “flora” column rather than the “fauna.”
- 296 The caption is written for prevailing winds, but the figure shows prevailing ocean currents. Although the two are related they are not the same, and this point should be clarified.
- 309 Table—The diameter of Mercury is missing a comma.
- 309 Table—Venus “Days longer than Earth years.” should be “One complete rotation longer than one Earth year.” because light/dark cycle doesn’t correspond to rotations if rotation longer than one year.
- 311 Diagram says summer equinox (should say solstice).
- 315 Block of text following book references, last line of block beginning “Red Lessons 11...” has extra comma after 20
- 315 Next to last line on page, King Elder appears to work for Sexton. In fact, he was employed at the time by Bio Enterprises, Inc.
- 342 Index—The page number for Copernicus should be changed from 186 to 302

### ***The Rainbow Teacher’s Helper***

The Rainbow Teacher’s Helper has been reprinted several times with modifications at each reprinting. The following are the errata for the versions in chronological order.

#### **Year 1 Teacher’s Helper Received from *Beginnings* before July 1999**

If you purchased your Year 1 Teacher’s Helper before July 1999, it will have come to you in a blue, comb-bound volume having the following product code in the bottom, right-hand corner of the back cover: VI-8/98. Here are the substantive errors we have found.

#### page

- 16 Red Lesson 7, the answer to exercise #1 is implied, but not stated forthrightly. The correct answer to the problem is *1 pound*.
- 44 “Answers to Exercises” are missing. They are as follows:

Which of the following might correctly be called a pigment?

1. the chemicals added to makeup to make it flesh-colored
2. the chemicals added to flour to make it pour more smoothly
3. the chemicals added to cereal to make it more colorful
4. the chemicals added to paint to make it look like wood

*1 and 3 are clearly examples of pigments because their primary purpose is to change color. 2 is not one of the correct answers. 4 may be a pigment if and only if it affects color by absorbing light. If, for example, it affects the texture of the paint without changing its light absorbing (color) properties, it would not qualify as a pigment.*

- 68 Equation #12 at the top of the page should have a 6 (rather than a 4) before H<sub>2</sub>O at the end of the equation.
- BC The back cover bears the wrong address for Beginnings Publishing House (unless the address has been modified with a sticker). Please change it to 328 Shady Lane, Alvaton, KY 42122.

#### **Year 1 Teacher’s Helper Received from *Beginnings* after July 1999**

If you received your Year 1 Teacher’s Helper after July 1999, it will have come to you in a blue, comb-bound volume having the following product code in the bottom, right-hand corner of the back cover: VII-7/99. The following are errata from VII-7/99:

This version of *The Rainbow* Year 1 Teacher's Helper is in its first year of use by the general public. We are unaware of substantive errors in the latest version. If you think you have found one please go to the "Contact Us" page and send us an e-mail or dial our 800# for technical assistance.

### **Year 2 Teacher's Helper Purchased in 1999**

If you purchased your Year 2 Teacher's Helper in 1999, it will have come to you in an orange, comb-bound volume having the following product code in the bottom, right-hand corner of the back cover: VrI-9/99. Here are the substantive errors we have found:

This version of *The Rainbow* Year 2 Teacher's Helper is in its first year of use by the general public. We are unaware of substantive errors. If you think you have found one please go to the "Contact Us" page and send us an e-mail or dial our 800# for technical assistance.

### **Teacher's Helpers Purchased in 2000**

In 2000, all Teacher's Helpers are perfect bound in a single volume that contains both Year 1 and Year 2 Helpers. All those who purchase either Teacher's Helper in 2000 will obtain this version.

### ***The Rainbow* Home Laboratory Year 1**

*The Rainbow* Home Laboratory Year 1 workbook is now in its second printing. We are unaware of substantive errors in the latest version.

### ***The Rainbow* Home Laboratory Year 2**

#### page

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| 64  | Porifera was omitted from the Phyla in the taxonomic diagram.  |
| 86  | Paragraph 6, last sentence: "The following page shows the basic geometry of several types of crystals." There is no diagram showing different crystal geometries. It was decided that these geometries were too difficult to look at and understand, but we failed to remove the reference to the diagram from the Lab text. |
| 111 | #17 replace "early in the evening" with "late in the evening"  |