

Errata for the First Printing of *Discovering Design with Biology*

Student Text

- p. ix “Section **5.6**: Evolution:” should be **5.7**
- p. 11 “It **is** also important to note” **is** is missing
- p. 21 “Figure **11.1** attempts to show this.” Should be **1.11**.
- p. 21 “Figure 11.1 incorrectly has the drawing of a bald eagle labeled as a hawk.
- p. 23 “producing completely new kinds of organisms**s**.” **s** is missing
- p. 31 “One important point **thing** to note” Delete **thing**
- p. 33 “This enables the water molecules **to** arrange themselves” **to** is missing
- p. 33 “Another important **properly** of water” should be **property**
- p. 43 “it would be harder for *cis* **saturated** fatty acids...compared to *trans* **saturated** fatty. In both cases, it should be **unsaturated**.
- p. 49 “Notice how the **sugar** of the bottom nucleotide links to the **phosphate** of the middle nucleotide, while the **sugar** of the middle one links to the **phosphate** of the top one.” Switch **sugar** and **phosphate** both times.
- p. 55 “they are **dextrorotary** (or right-handed)” Should be **dextrorotatory**
- p. 58 In 2.7, “Remember, unsaturated fatty acids **can** get close...” should be **can’t**
- p. 64 “The cell wall a prokaryote” should be “The cell wall **of** a prokaryote”
- p. 71 “cells that don’t need much energy have only **have** one mitochondrion” Delete second **have**
- p. 80 “uses a different design to capture CO₂ when **is** not as readily available.” Should be **it’s**
- p. 95 “However, there **are** two important differences between cells and the constructs” **are** is missing
- p. 142 The fifth row of the first column of Figure 5.11 should be AaBbcc. That makes it one shade lighter as well.
- p. 152 The first nonsense sentence should be “The coa tet heh ay.”

- p. 154 “Section **5.6: Evolution:**” should be **5.7**
- p. 158 “**Transduction** was involved, followed by conjugation. In **transduction**” In both cases, it should be **transformation**.
- p. 161 “to provide protection **against** the bacteria” should be “**for**”
- p. 189 “Roman **number**” should be **numeral** in 5c and 5d
- p. 200 “That means it takes about 1 million lying **size-by-side**” Should be **side**
- p. 205 “The differences in biochemistry of bacteria can be used to detect their presence and **identity** them.” Should be **identify**
- p. 215 “that it takes about 1 million lying **size-by-side**” Should be **side**
- p. 219 In 7.7, “are part of the **gammaproteobacteria**,” should be **gammaproteobacteria**
- p. 220 “What do ssDNA, dsDNA, **ssRNA**, and dsRNA mean?” should be **ssRNA**
- p. 234 Step 34: “center a **stricture**.” Should be **structure**.
- p. 279 “On the head are antennae, and on the ventral **size**” Should be **side**
- p. 292 “This is an example of how damage to the environment has consequences that are far greater **that** what might be seen initially” Should be **than**
- p. 310 “It is not unusual for the frogs to become infected if special care is not taken **to** make sure the water stays clean.” **to** is missing
- p. 317 The first **10.4** should be **10.3**
- p. 323-324 “At the other extreme, the smallest reptile is the nano-chameleon (*Brookesia nana*), which **is** 13.5 mm (0.53 inches) long” **is** is missing
- p. 327 “Most lizards have four limbs, whereas snakes do not **have** any.” **have** is missing
- p. 332 “This what the testudines face all” should start “This **is** what...”
- p. 333 “The common box turtle (*Terrapene carolina*) is actually **is**” Delete second **is**
- p. 334 “11.13. It shows photo of” should be “11.13. It shows **a** photo of”
- p. 334 “tissue could survive for millions of **year**” should be **years**
- p. 336 “This **is** structure is called a beak.” Delete first **is**
- p. 353 #7: “What three characteristics **separates**” should be **separate**
- p. 364 “left ventricle. When the **right** ventricle” should be **left**

- p. 376 “The twisted and tied bag also had drops coming off it, but **it**” Delete **it**
- p. 376 Step 5: “Repeat step **3**” should be **4**
- p. 387 “in plant cells, you will also **will** find” delete **will**
- p. 388 “...even one that is only a few inches tall, it would **be** much more difficult for you to tear apart with your hands.” **be** is missing
- p. 398 CC 13.5: “Figure **13.8**” should be **13.9**
- p. 416 CC 13.12: “(shown in Figure **3.21**)” should be **13.21**
- p. 428 “its **pollen** nucleus forms a pollen tube” should be **tube**
- p. 434 “Section **14.6**: Plant Hormones” should be **14.7**
- p. 474 #7: “It should read about 95.0 °C (203 °**C**)” should be °**F**
- p. 492 “You **will** be able to find frogs and toads,” **will** is missing
- p. 500 “This amount precipitation” should be “This amount **of** precipitation”
- p. 505 “Section **16.11**: The Ocean Ecosystem” should be **16.12**
- p. 507 “Section **16.12**: Fine-Tuning in Ecosystems” should be **16.13**
- p. 507 “Remember what **a** happened when a few dozen rabbits” Delete **a**
- p. 539 “Answer questions 6-**12** in the Chapter 1 Review” should be **21**
- p. 547 “Experiment **15.1**” should be **5.1** and “Experiment **15.2**” should be **5.2**
- pp. 545-551 The microscope kit items are not in blue. Here is a list with the right colors:
<https://bereanbuilders.com/mkt/res/lab/9798985252941ls.pdf>

Answer Key and Tests

- p. 13 Problem 10: “iii. D. The **pentagrams**” should be **pentagons**
- p. 22 Problem 9: “cell whose mitosis **in** shown in problem #6?” should be **is**
- p. 31 Problem 4: “An **addition** trait for blood type” should be **additional**
- p. 41 3. “... ,while gram-positive bacteria will be **blue**.” should be **purple**

- p. 44 3. "... , gram-positive bacteria are **blue**." should be **purple**
- p. 46 1c. "The shrinking of a cell's cytoplasm due to water" should have **loss** at the end
- p. 49 "5. **What in** what organisms" should be "In what organisms"
- p. 50 1a. "The shrinking of a cell's cytoplasm due to water" should have **loss** at the end
- p. 54 1o. "The shrinking of a cell's cytoplasm due to water" should have **loss** at the end
- p. 55 9. "The sequence is A – C – G – **G** – U – A" should be A – C – G – **C** – U – A
- p. 55 17 should be worth 2 pts, since the rubric works out to 2 pts
- p. 56 The total points should be 51.
- p. 67 #6: "have **a** elongated snout" should be **an**
- p. 68 #17: "**flight** feathers" should be **wing**
- p. 73 #16: "hideout for your normal **floral**" should be **flora**
- "18. Food travels through the mouth, esophagus," **pharynx** should come after mouth.
- p. 87 7. "**plants** growth?" should be **plant's**