

# ***Environmental Science for the AP<sup>®</sup> Course***

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## **Errata Sheet**

As of 21 February 2020

*This errata listing includes all errors found since the 1<sup>st</sup> printing of the text. Depending on the printing you have some of these corrections may already have been made.*

*If you've found an error and it is not listed here, please contact your BFW representative.*

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### **Student Textbook**

Page 26. In the second to last sentence of problem 1, the sentence should be revised to “Their data are shown in the table.”

Page 35. The second Learning Goal should be revised to “explain why water is a vital component of most environmental systems.”

Page 45. The second Learning Goal should be revised to “identify the first and second laws of thermodynamics and explain how they influence environmental systems.”

Page 65. The heading “The balance inputs and outputs of salt” should be revised to “The balanced inputs and outputs of salt.”

Page 103. Question 5 should be revised to “At Which trophic level are eagles that consume fish that consume zooplankton that eat algae?” for clarification.

Page 127. The key in the map mistakenly lists “Boreal forest” as “Boreal rainforest” and should be revised.

Page 163. Figure 15.6 caption. The caption should be revised to “Desert plants have evolved several different adaptations to their desert environment. (a) The “Old Man of the Mountain” cactus (*Oreocereus celsianus*) has leaf hairs that reduce water loss. (b) Another species of cactus (*Mammillaria albiflora*) has a large taproot to draw water from deep in the soil. (c) The waxy outer layers of Aloe vera reduce water loss.”

Page 276. Figure 24.7 caption. Before past (a), the figure should be titled “Plate movement over a hot spot.”

Page 295. Lower right vocabulary section. The term “Mine tailings” should have a lowercase “t”.

Page 308. Figure 26.2 caption. In the third sentence, the word “capped” should be revised to “surrounded” so that the sentence reads “Confined aquifers are surrounded by an impermeable layer of rock or clay, which can cause water pressure to build up underground.”

Page 327. Do the Math, first paragraph. After “So how do you choose?” There should be an instruction that states “(This question ignores energy needed to heat water, which will introduce additional dollar savings as well a reduction in environmental impact).”

Page 334. The pipeline image should be credited to “Jim West/The Image Works”.

Page 367. For the title “Learning Objectives Revisited” replace the word objectives with “Goals”.

Page 377. First column, first sentence. The number “7.1 billion” should be revised to 7.6 billion” so that the sentence reads “[...] which would appear to be more than enough for the world’s population of 7.6 billion.”

Page 402. For the title “Learning Objectives Revisited” replace the word objectives with “Goals”.

Page 446. Under practice math “7,700 kwh” should instead be written as “7,700 kWh”.

Page 569. Instructions. The letter (e) should be revised to (d) so that the instructions read “Questions 1–4 refer to the selections (a)–(d) below. Match the lettered item with the numbered descriptor.”

Page 588. There is a number 3 printed on lower left side of the image, that should be removed.

Page 596. In paragraph on the upper right side of the page the sentence that includes, “was no longer deemed a threat to human health” should have a period after the word “health”.

Page 630. Do the Math box. The final equation, the “/half life” on the right of the equal sign should be cancelled out so that the equation reads “3 half-lives  $\times$  4 days/half-life = 12 days”

Page 641. Chapter 17 AP® Environmental Science Practice Exam, question 2. The word “about” should be added after “statement” so that the questions reads “Which statement about the relationship between health risks and income is CORRECT?”

Page 642. Question 6, choice (b) should be revised to “carcinogens”

Page 653. Second column, near the bottom. The parentheticals should be revised to “(see Figure 15.10 on page 166).”

Page 671. In the second paragraph where it states the figure, there should be a period after (FIGURE 61.2) not a comma.

Page 671. In the third paragraph, there should be a comma after bald eagle.

Page 714. Third paragraph under Working Toward Sustainability. “18percent” should have a space in between.

Exam 1-1. The instructions should be revised to “Choose the best answer for questions 1–80.”

End sheets. Under the heading Calculating Averages, the page numbers should be revised to “(See pages 20, 136, 564).” Under the heading Doubling Time, the page numbers should be revised to “(See pages 237–238, 242.)” Under the heading Population Density, the page number should be revised to “(See page 199.)”