



New Features You'll See in *Human Biology, 16e*

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Title: Human Biology, 16e

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Updated Content —

- 1 Updated chapter openers, featured readings, and Connections content to focus on issues and topics important to this generation of students. Integrated more information on emerging diseases (such as Zika) and new technologies (for example, CRISPR). Updated statistics, maps and tables to reflect changes in our scientific understanding of the various topics in the text. Assessed and redesigned art to better fit the digital learning environment.

Focus on Relevancy —

- 2 **Relevancy e-book.** Relevancy modules have been authored to accompany each unit in Mader/Windelspecht *Human Biology*. These modules demonstrate the connections between biological content and topics that are of an interest to society as a whole. Each module consists of an introductory video, an overview of basic scientific concepts, and then a closer look at the application of these concepts to the topic. Discussion and assessment questions, specific to the modules, are also available.

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3 BioNow Videos. The BioNow series of videos, narrated and produced by educator Jason Carlson, provide a relevant, applied approach that allows your students to feel they can actually do and learn biology themselves. While tying directly to the content of your course, the videos help students relate their daily lives to the biology you teach and then connect what they learn back to their lives. Each video provides an engaging and entertaining story about applying the science of biology to a real situation or problem. Attention is given to using tools and techniques that the average person would have access to, so students see the science as something they could do and understand.

4 RicochetScience Website. The RicochetScience.com website, managed by Dr. Michael Windelspecht, provides content that is of interest to students who are not majoring in the sciences. For example, the PopScience articles on this site provide an excellent focus for classroom discussions on topics that are currently being debated in society, such as vaccines. The content is organized by the same topic areas that are the focus of the relevancy modules, making it simple

for instructors to find and utilize these resources. The site also features videos and tutorial animations to assist the students in recognizing the relevancy of what they are learning in the classroom.

Retained Features —

5 Chapter-Opening Essays. The opening reading is designed to demonstrate how the chapter content is relevant to a student's life. The authors have not only chosen current-event topics, but have also included a series of two or three questions that students should be thinking of as they progress through the chapters.

6 Before You Begin. Starting with Chapter 2, this feature appears on the opening page of each chapter. It asks students to review two to three concepts covered in earlier chapters. References are to previous sections or figures. It notes information that students should have mastered before beginning the chapter.

7 Learning Outcomes. Two to four Learning Outcomes are provided at the beginning of each section. Instructors can easily assign activities in Connect® to help students achieve these outcomes.

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- 8 Check Your Progress.** These questions appear at the end of each main section in a chapter. They allow a student to assess and or/ apply their understanding of the material in that section.
- 9 Connecting the Concepts.** Found at the end of each numbered section, this section shows how the content the student just learned relates to other areas of the text.
- 10 Conclusion.** The conclusion explains how the material covered in the chapter relates to the scenario presented in the opening essay.
- 11 Science in Your Life Readings.** These short, mini-readings show the relevancy of biology to our everyday lives.
- 12 Biology Today Readings.** Each reading has a human focus, and in many cases, represents topics that have recently been in the news. The three types of readings include:
Biology Today: Bioethics
Biology Today: Health
Biology Today: Science