

## **Biology, 13e**

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©2019

ISBN: 125982490X

### **Detailed List of New Features**

The mission of Dr. Sylvia Mader's text, *Biology*, has always been to give students an understanding of biological concepts and a working knowledge of the scientific process. However, like the world around us, the process of teaching science is changing rapidly. Increasingly, instructors are being asked to engage their students by making content more relevant, while still providing students with a firm foundation in those core principles on which biology is founded. These changes are clearly outlined in the AAAS/NSF report, *Vision and Change in Undergraduate Biology Education* (2009). This text has addressed these recommendations by integrating the themes of evolution, biological systems, and nature of science directly into the content.

In addition to the evolution of the introductory biology curriculum, students and instructors are increasingly requesting digital resources to utilize as learning resources. McGraw-Hill Education has long been an innovator in the development of digital resources, and the *Biology* text, and its authors, are at the forefront of the integration of these technologies into the science classroom.

In this edition, the authors focused on the following areas:

1. Updating of chapter openers and themed readings to focus on issues and topics important in a non-science majors classroom
2. Utilization of the data from the LearnSmart adaptive learning platforms to identify content areas within the text that students demonstrated difficulty in mastering
3. Refinement of digital assets to provide a more effective assessment of learning outcomes to enable instructors in the flipped, online, and hybrid teaching environments
4. Development of a new relevancy module for each unit to engage students in the application of the content to their lives

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