

STARS AND GALAXIES 9TH EDITION Free Download



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Educators can easily customize the table of contents and share their own notes with students so they see the connection between their eText and what they learn in class — motivating them to keep reading, and keep learning. Learn more about Pearson eText. By combining trusted author content with digital tools developed to engage students and emulate the office-hour experience, Mastering personalizes learning and improves results for each student. Resources in Mastering Astronomy are written and carefully reviewed by the author team, establishing the same coherent and trusted voice as the book. Learn more about Mastering Astronomy. Revised - Dark Matter chapter reflects recent discoveries and new constraints in what might be. Revised - Life in the Universe Chapter includes exoplanet discoveries, breakthrough initiatives in the search for life in the universe, and the proposed mini-spacecraft fleet to Alpha Centauri.

Build a framework and foundation for the process of science and create a platform for discussion about the impact of our society and current ideas on science. The Process of Science, a major theme integrated throughout the main text, is reinforced with a set of short answer questions at the end of each chapter, as well as a suite of tutorials available for assignment in Mastering Astronomy. A cosmic framework establishes a solid foundation of understanding by exploring our place in the universe and delving into how astronomers know what they know, fleshing out these themes throughout the text. This approach motivates students to learn and helps them develop both a personal understanding of astronomy and a lasting appreciation of the process of science. A comparative planetology approach helps students understand the similarities and differences between planets and the processes that shape them.

Planet-by-planet information combined with this comparative approach gives students a deeper understanding of our solar system, other solar systems, and the prospects for life in the universe. Reinforce understanding with revised end-of-chapter structure Streamlined end-of-chapter contents includes the revision of numerous exercises. New - Group work content incorporates material and art from the book with content scaffolded for easy implementation. Content includes clicker questions and PDF worksheets with follow-up exercises in the end-of-chapter material as well as in Mastering Astronomy. Select exercises contain diversity and ethics questions. Activities appear in the end-of-chapter material, all written and class tested by the authors, as well as in the Study Area of Mastering Astronomy. Also available as a Pearson eText or packaged with Mastering Astronomy Pearson eText is a simple-to-use, mobile-optimized, personalized reading experience that can be adopted on its own as the main course material.

Reach every student with Mastering Teach your course your way: Your course is unique. New - Follow up to classroom activities tie together content and end-of-chapter questions in Mastering Astronomy including self-assessment activities for students and practice exams. You pose a variety of questions that help students recall ideas, apply concepts, and develop critical-thinking skills. Your students respond using their own smartphones, tablets, or laptops. Then, you can adjust your teaching accordingly, and even facilitate peer-to-peer learning, helping students stay motivated and engaged.

Pearson eText is a simple-to-use, mobile-optimized, personalized reading experience available within Mastering. It allows students to easily highlight, take notes, and review key vocabulary all in one place—even when offline. New - Dynamic Study Modules help students study effectively—and at their own pace. By keeping them motivated and engaged. The assignable modules rely on the latest research in cognitive science, using methods—such as adaptivity, gamification, and intermittent rewards—to stimulate learning and improve retention.

Each module poses a series of questions about a course topic. Revised - Self-Guided Tutorials provide students with a deep understanding of the toughest topics in astronomy. Hints and feedback offer instruction similar to what students would experience during office hours, allowing them to learn from their mistakes without being given the answer. Narrated Figure Visual Activities are assignable visual activities with narrated animations that expand on figures in the text.

Embedded pause-and-respond questions engage students in a deeper understanding of the topic. Assignable activities help students build versatile interpretation skills. Specific wrong-answer feedback guides students to a deeper understanding of their significance in the universe. New and Revised - Exercises throughout Mastering now link to the eText as a resource to help students remediate just-in-time. New - Study Area design and content aligns with how students prepare for class and practice for the exam for a curated experience. Virtual Astronomy Labs are assignable, online laboratory activities that utilize Stellarium and interactive figures to conduct night sky data collection and inquiry-based labs. Five additional inquiry-based labs are now included.

New - Nearly new Interactive Prelecture videos, all written and most narrated by the authors, help students understand key concepts. The videos provide subject overview for exposure to key concepts before class, opening classroom time for active learning or deeper discussions of topics. Students can watch the videos at any time in the Study Area, while instructors can find assignable tutorials based on the videos in the instructor-accessible Item Library. New - Self-Guided-Tutorials and Interactive Figures provide expanded accessibility and are now converted from Flash to HTML5 to work seamlessly across multiple devices and to respond to different screen sizes. Improve student results: When you teach with Mastering, student performance often improves.

Learn more in this case study. New to This Edition. Reinforce understanding with revised end-of-chapter structure Group work content incorporates material and art from the book with content scaffolded for easy implementation. Reach every student with Mastering Follow up to classroom activities tie together content and end-of-chapter questions in Mastering Astronomy including self-assessment activities for students and practice exams. Dynamic Study Modules help students study effectively—and at their own pace.

New and Revised - Exercises with eText links. Planet-by-planet information combined with this comparative approach gives students a deeper understanding of our solar system, other solar systems, and the prospects for life in the universe. Reinforce understanding with revised end-of-chapter structure Streamlined end-of-chapter contents includes the revision of numerous exercises. New - Group work content incorporates material and art from the book with content scaffolded for easy implementation. Content includes clicker questions and PDF worksheets with follow-up exercises in the end-of-chapter material as well as in Mastering Astronomy. Select exercises contain diversity and ethics questions. Activities appear in the end-of-chapter material, all written and class tested by the authors, as well as in the Study Area of Mastering Astronomy.

New to This Edition. Reinforce understanding with revised end-of-chapter structure Group work content incorporates material and art from the book with content scaffolded for easy implementation. A Modern View of the Universe 2. Discovering the Universe For Yourself 3. The Science of Astronomy S1. Light and Matter: Reading Messages from the Cosmos 6. Space and Time S3. Spacetime and Gravity S4. STARS Our Star Surveying the Stars Star Birth Star Stuff The Bizarre. Our Galaxy Galaxies and the Foundation of Modern Cosmology Galaxy Evolution The Birth of the Universe About the Author s. Previous editions. Relevant Courses. Sign In We're sorry! Availability Available. If You're a Student Buy this product. Overview Resources Order Overview.

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