

WORLD OF CHEMISTRY

DIGITAL WALKTHROUGH

Texas Edition

Powered by

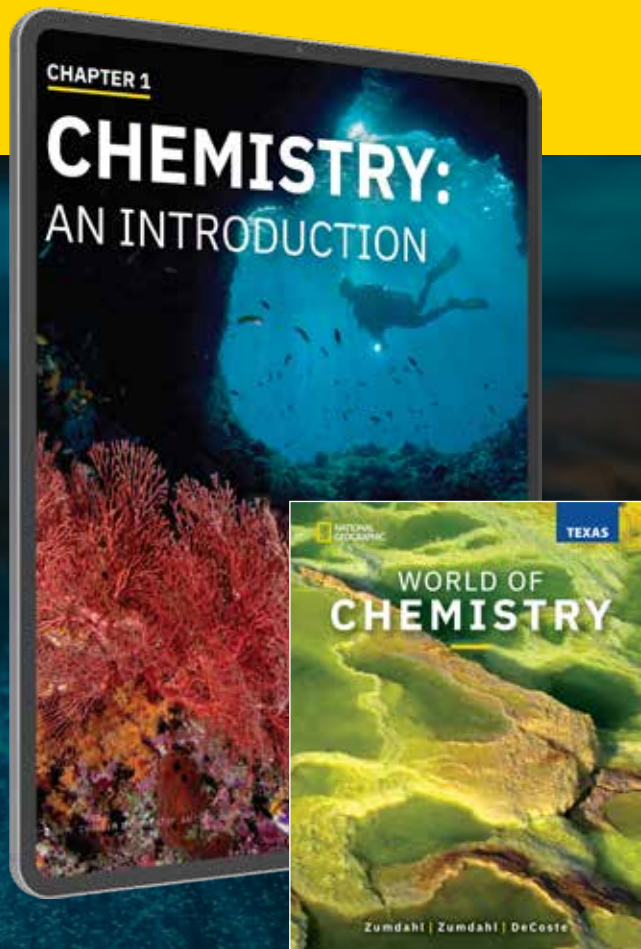
 Cengage MindTap





DIGITAL WALKTHROUGH

Student And Teacher's Edition



National Geographic
World of Chemistry, Texas Edition

Texas Chemistry Review Leaders,

Easy to read and accessible to all students, *World Of Chemistry, Texas Edition* includes National Geographic images and visuals, numerous problem-solving examples, a wide range of end-of-chapter exercises, and real-world applications that truly bring the “world of chemistry” together in one unique central learning resource. Offering a rigorous but understandable introduction to chemistry, this program reflects the authors’ belief that chemistry is something students must construct for themselves with the help of the teacher, content support including introductions to National Geographic Explorers, and laboratory exploration.

We look forward to *Bringing The World Into Your Texas Classroom* with *National Geographic World of Chemistry*.

Kind Regards,
Your Texas NGL Team

FOCUS, CONNECT, AND ENGAGE

Our online solutions help you and your students accelerate learning by staying focused, connecting to content, and engaging with the world.



National Geographic Learning, a part of Cengage Group, is proud to partner with educators and schools to offer a wide range of access, enrollment, and integration offerings to our digital programs:

Our digital courseware solutions support your instruction and put students at the center of learning.

- Independent Learning and Assessment Tools
- Course Planning and Effective Teaching Support
- In-Class Teaching Opportunities



WALKTHROUGH MINDTAP

✓ A Step-by-Step Checklist

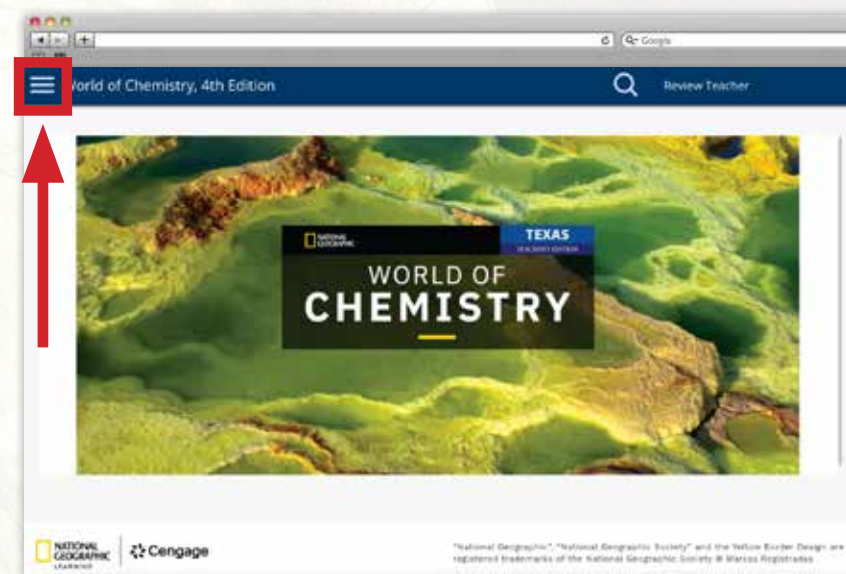
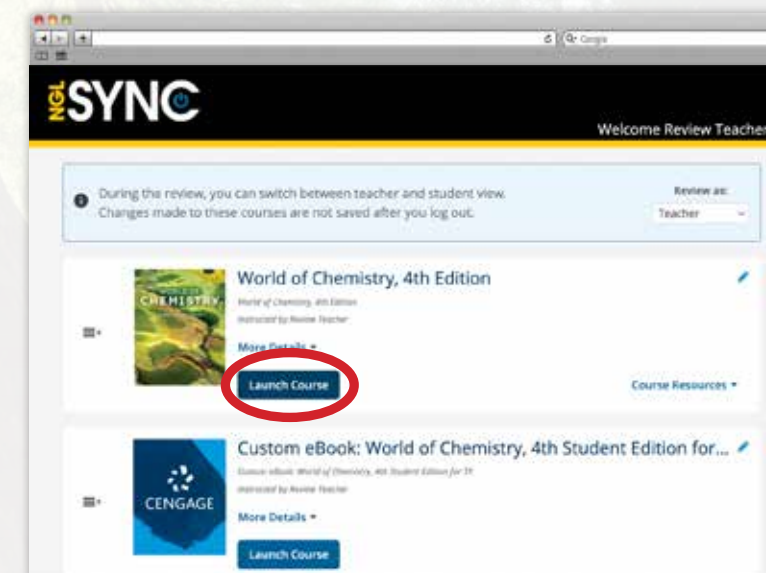
Login at nglsync.cengage.com/review/QMPS

Password: **proc2024**

You will arrive at your course portal

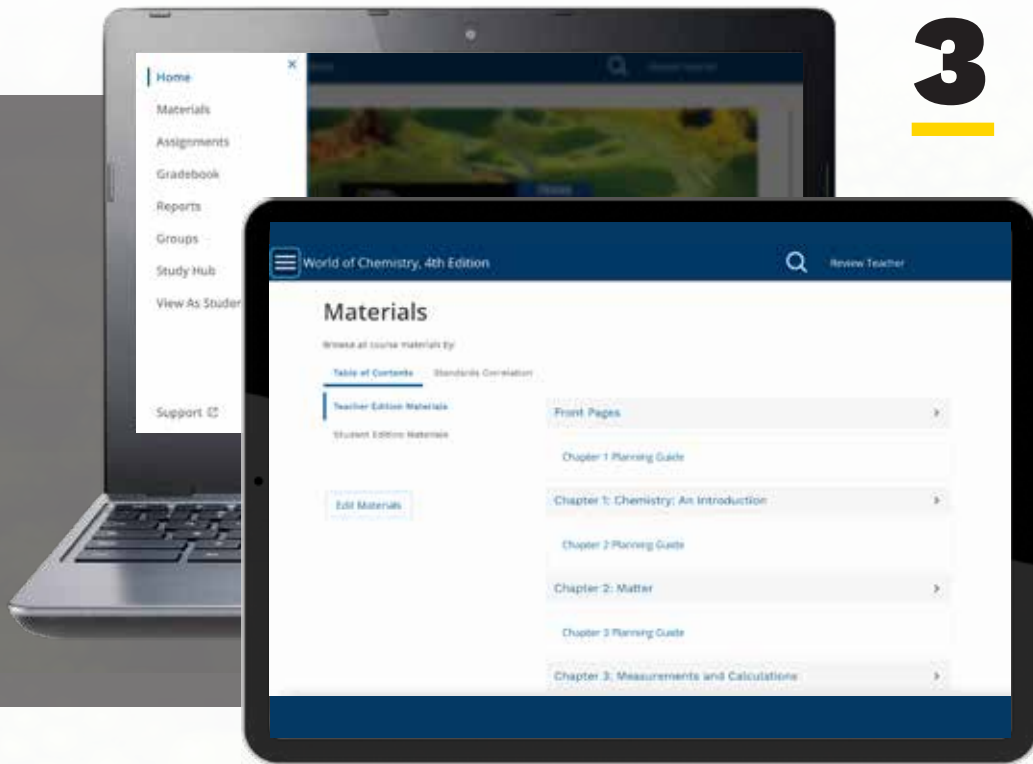
1 Login

- Note the “**Course Resources**” opens a dropdown to access the **Cognero online test generator** with included test bank as well as a link to the Instructor companion site
- Click the “**Launch Course**” button for the course you would like to access
- If you logged in as a teacher, you will land on the **Teacher Edition homepage**



2 Welcome Launch

- Click the Drop-Down Menu in the Upper Left Corner
- Click Materials

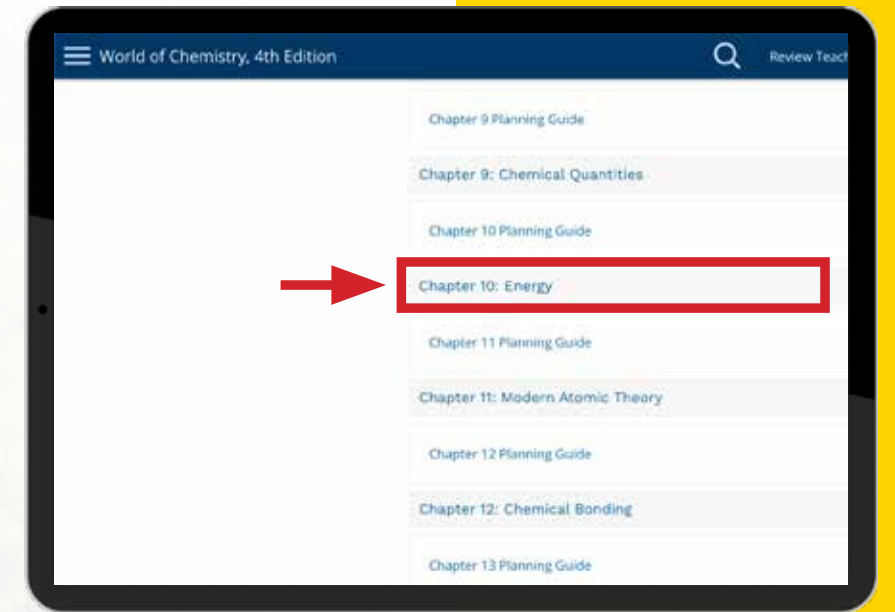


3 Drop Down Menu

- Click **Materials**
- View the Table of Contents as well as the **Texas TEKS & ELPS Standards Correlations**

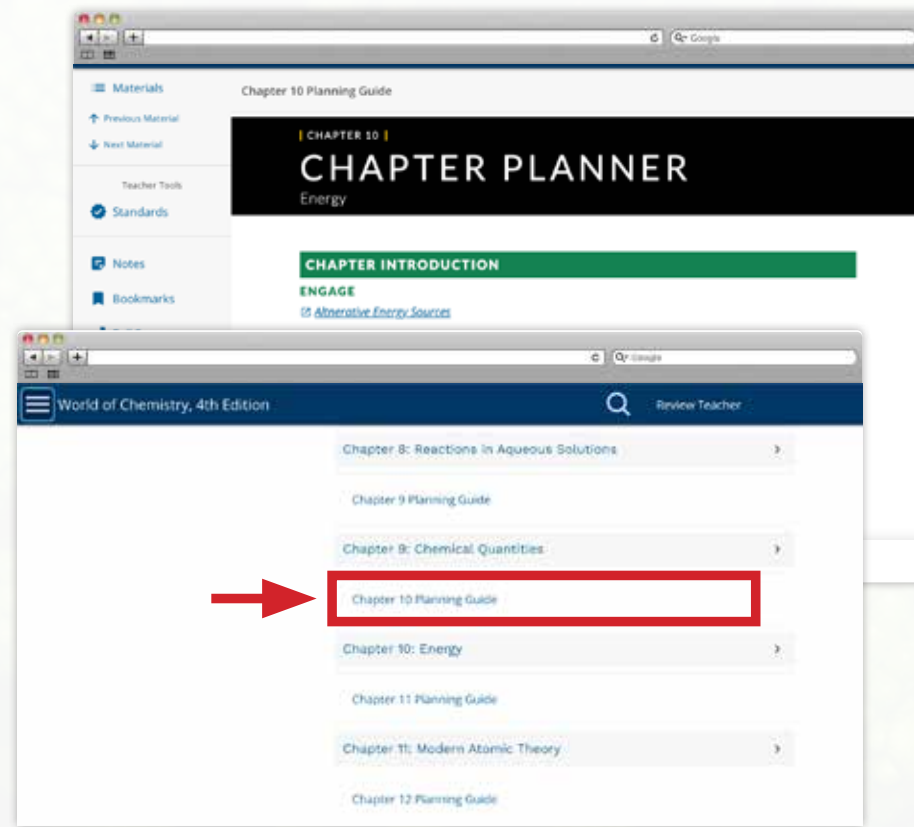
5 Chapter 10: Energy

- Click **Materials** Upper Left
- Select **Chapter 10: Energy**
- Select **Explorers At Work – Energizing Mali**



4 Chapter Planning Guide

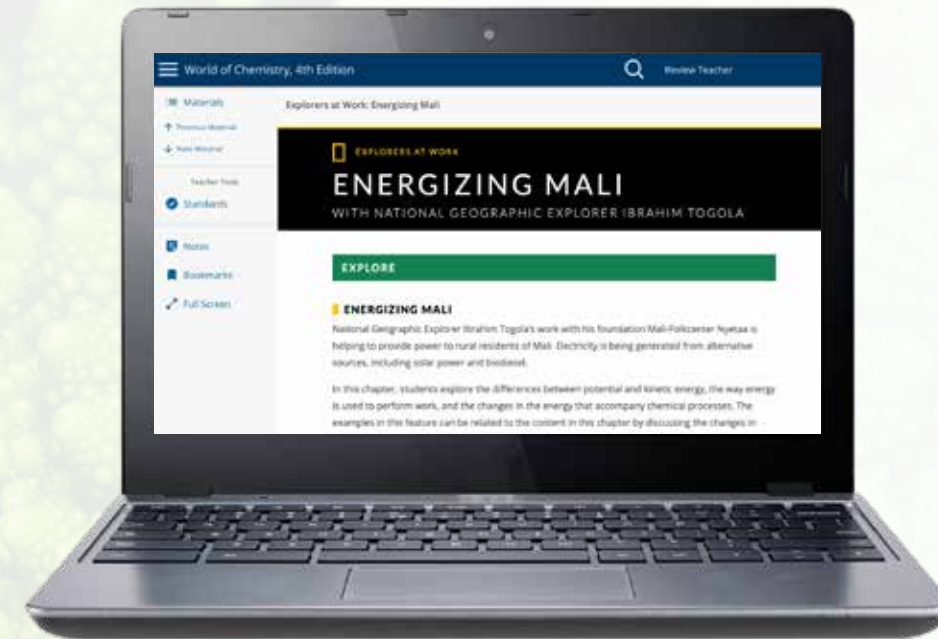
- Scroll Down, see all 21 Chapters available, **Click on Chapter 10 Planning Guide**
- In the Planning Guide Scroll Down to **preview the resources available each as embedded links**
- Scroll Down to find all the print resources available to support additional instruction



Hint: All Chapters are organized the same way, using **Chapter 10** as an example

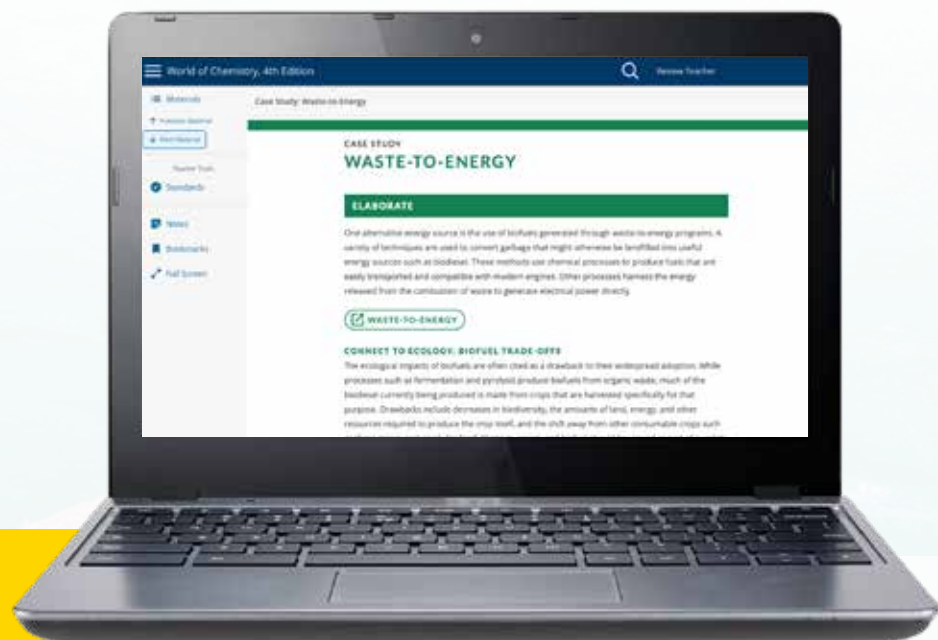
6 Explorers at Work

- Notice the **Thinking Critically Questions**
- Notice the **Real-World Issues**
- Notice the **ELPS Standards**
- Notice the **Career Connections**



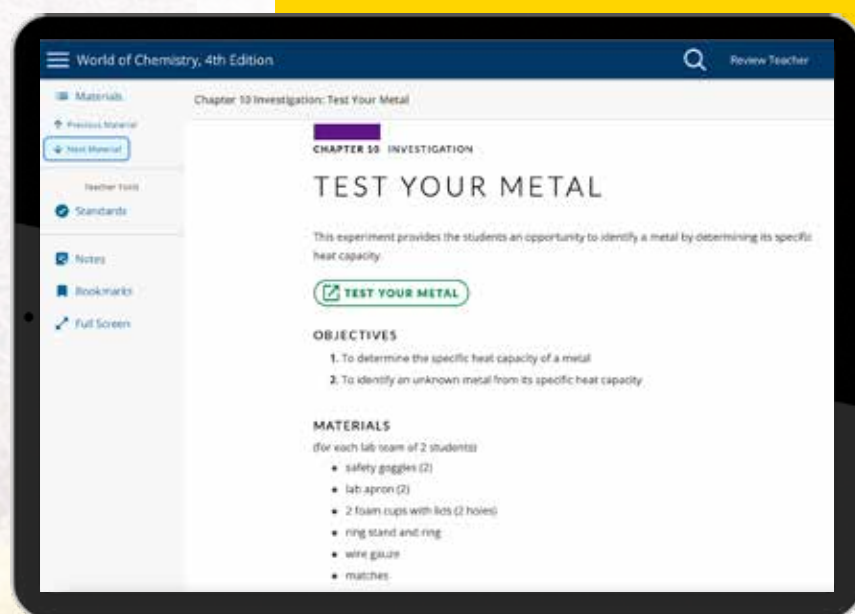
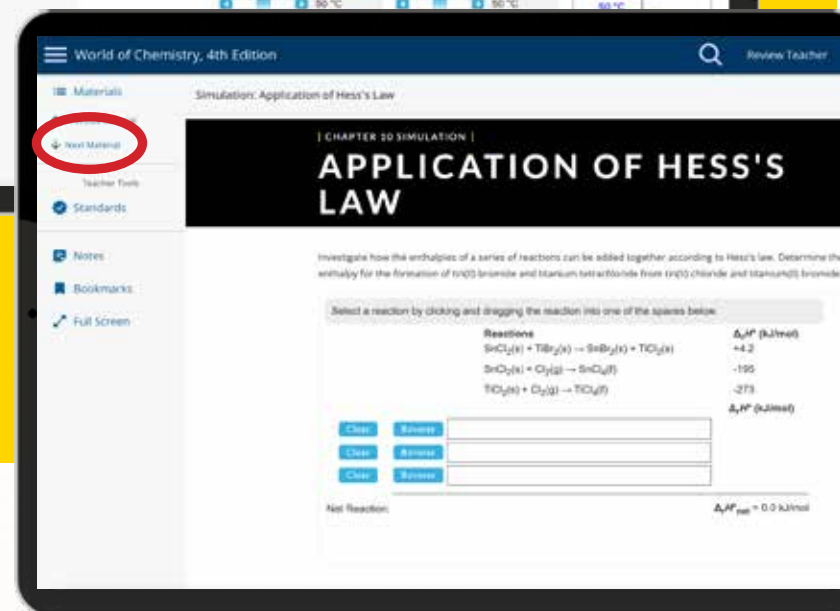
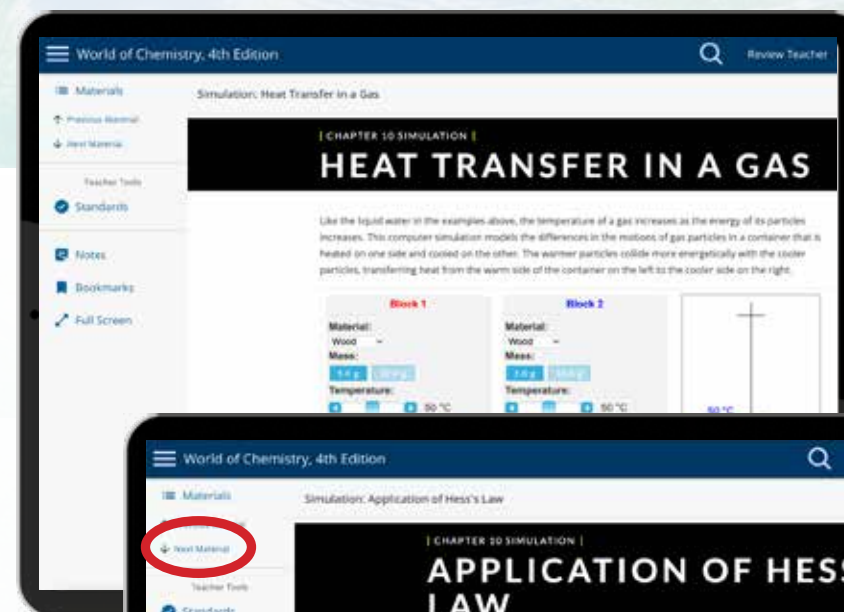
7 Lessons & Case Study & Investigations

- In the Upper Left Hand Corner - Click Next Materials to view **lessons 10.1 – 10.4**
- Click Next Material Find the **Case Study**
- Click Next Material Find **Chapter Investigation**
- Click Next Material Find List of **Chapter Resources**
- Click Next Material Find the **Chapter Simulations**



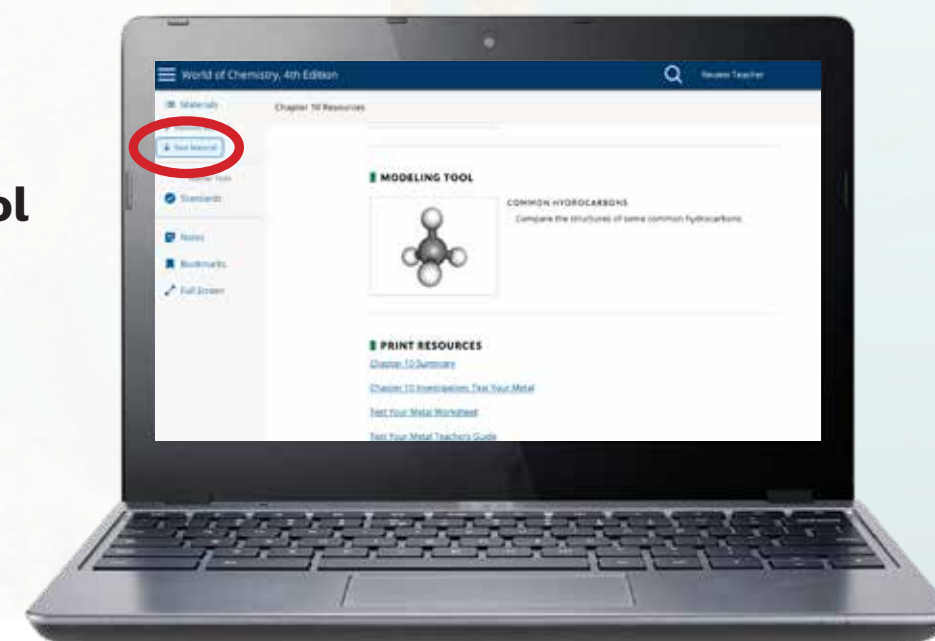
8a Simulations

- Simulation: Heat Transfer in a Gas
- Click the Next Button in the Upper Left Corner to view the Other Simulations available in this Chapter



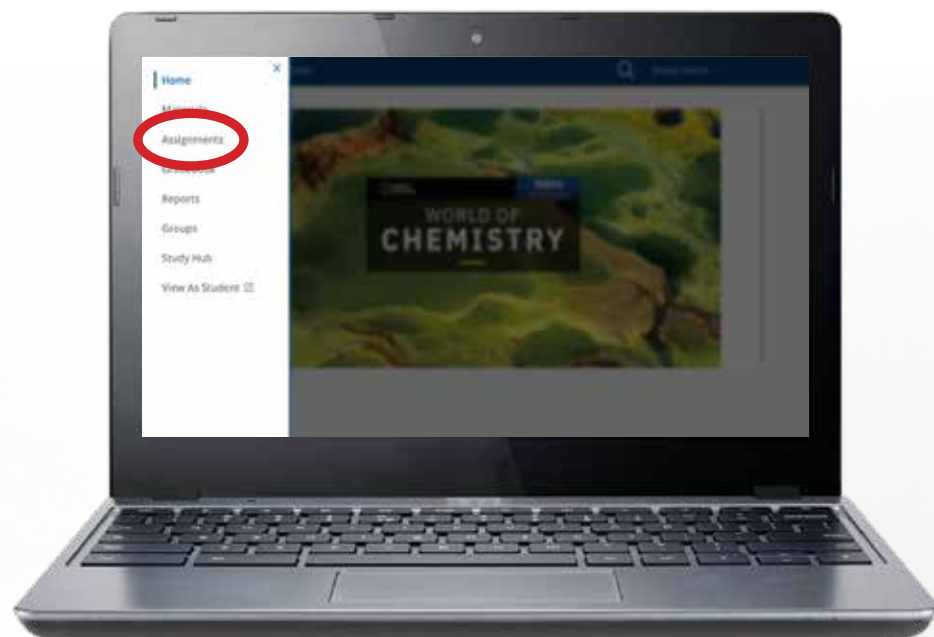
8b Modeling Tool

- Click Next Materials to preview the **Modeling Tool**



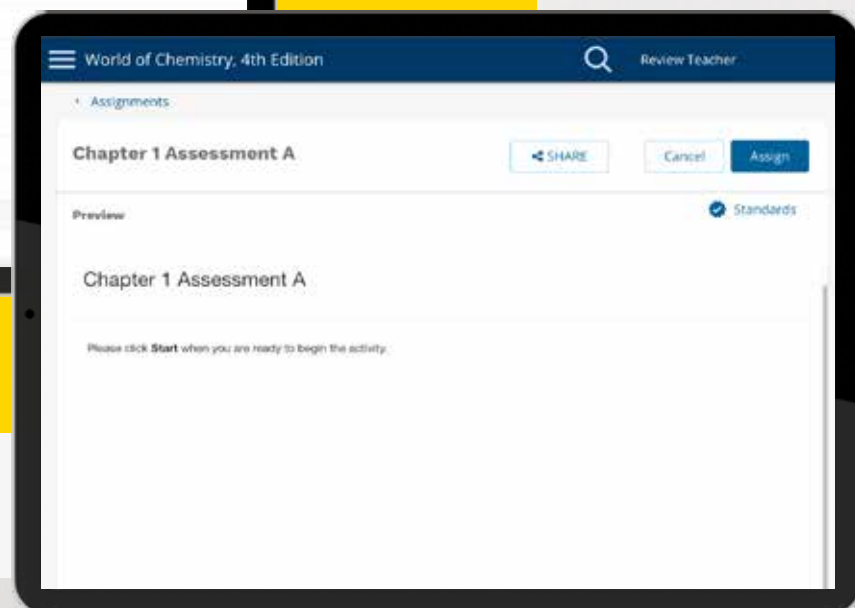
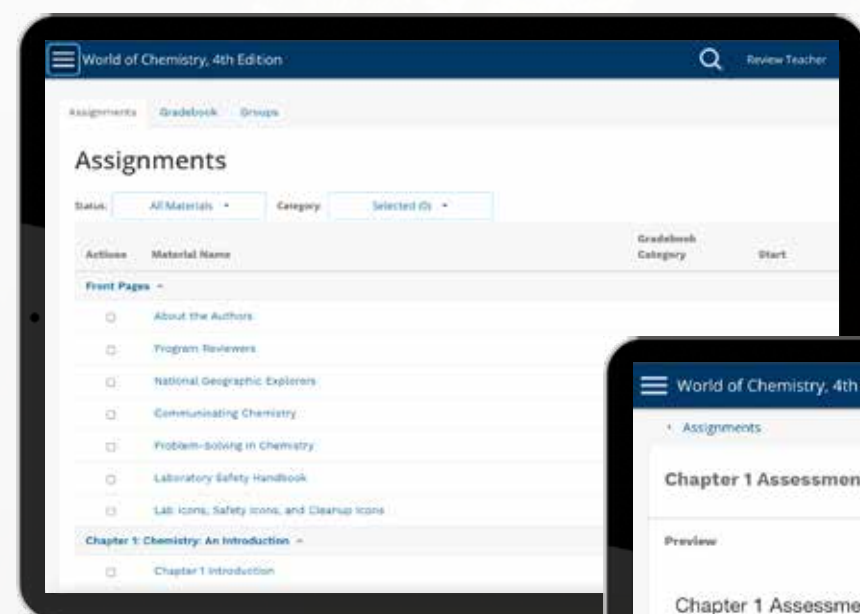
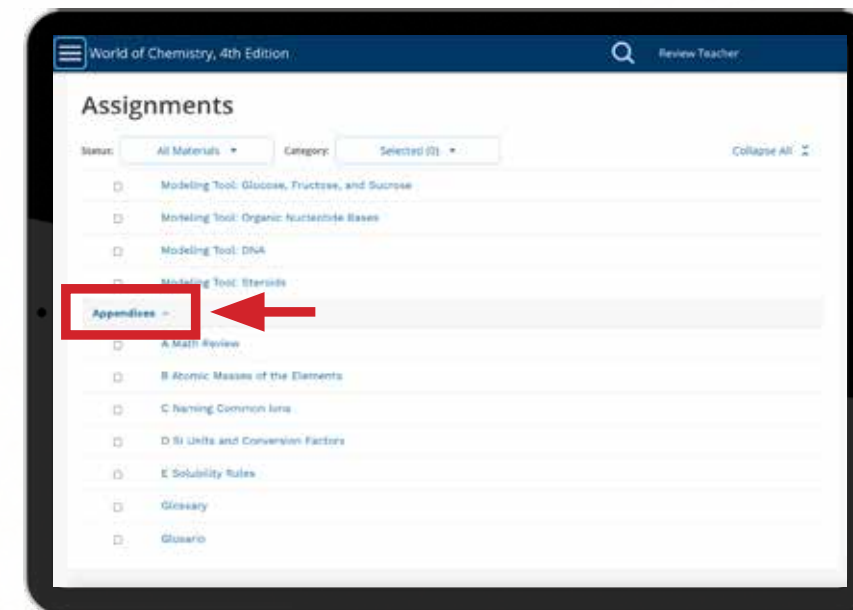
9 Assessments

- Click 3 bars Upper Left Corner **Select Materials**
- Select Assignments
- Scroll down to find the various Assessments available in each Chapter



10 Appendices

- Click on Assignments
- Scroll to the Bottom on the Assignment Tab to view additional Appendices.
- Notice Teacher and Students will have everything they need to support student success in the Chemistry Classroom!



11 Make it Your Own

- Click 3 bars Upper Left Corner **Select Materials**
- Select **Edit Materials**
- Add a folder, upload a link, move content around to customize the platform to your needs

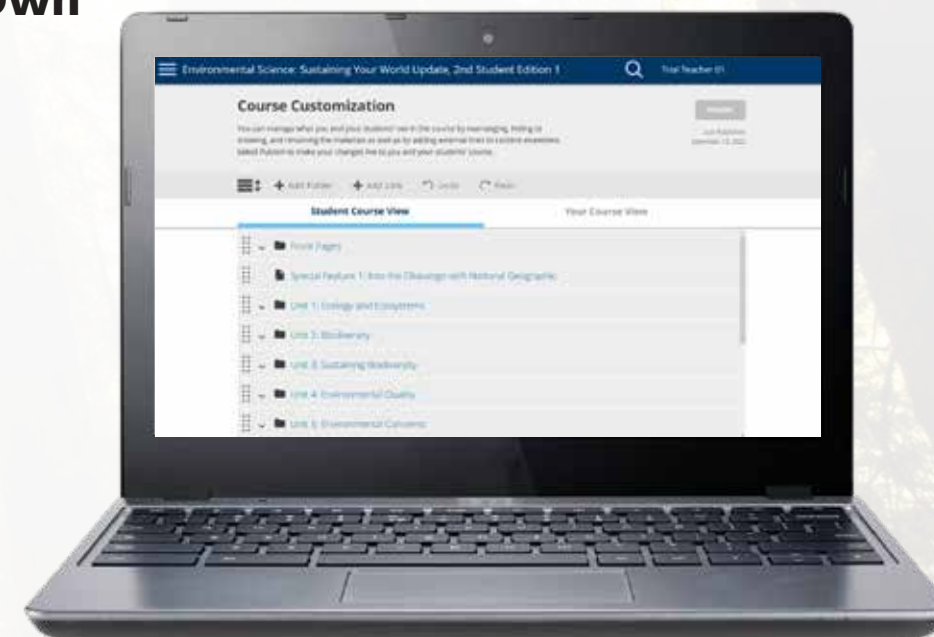


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What's New in the Texas Edition

- Explorers at Work features profile the research and problem-solving work of National Geographic Explorers
- Engineering design is integrated through Exploring Engineering and Chemical Engineering features
- Case Studies added for every chapter describe real-world scenarios related to the chapter contents; examples include ocean microplastics and the Flint, Michigan water crisis
- Problem-solving support for students includes examples in the text paired with worked out solutions that demonstrate the reasoning used to solve the problem
- Differentiated learning support includes leveled practice problems, team-learning worksheets, and a Meeting Individual Needs Toolkit



Technology

- MindTap is a cloud-based, highly personalized learning environment that combines student learning tools—readings, multimedia, activities, and assessments—into a single learning path
- Teachers can customize content for their students to introduce their own content, and teachers have access to powerful class reports and analytics to save time, measure progress, and improve outcomes

Notes

PREPARING TEXAS STUDENTS FOR COLLEGE AND CAREER SUCCESS THROUGH THE STUDY OF CHEMISTRY



Students learn:

- ✓ Problem Solving
- ✓ Research Skills
- ✓ Organization
- ✓ Analytical Skills
- ✓ Teamwork
- ✓ Communication Skills
- ✓ To Build an Argument Based on Evidence



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JULY / 2023

ISBN-13: 979-8-214-08327-8



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