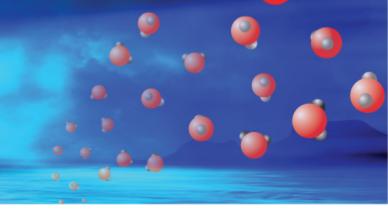
Textbooks in transition: It's all about options



Mark Bishop

Monterey Peninsula College
Chiral Publishing Company

(http://preparatorychemistry.com)

Middlebury Institute of International Studies at Monterey (http://institutebishop.org/)

preparatorychemistry.com/Bishop_2YC3_2019_textbooks.pdf



Fundamental Assumptions

- Textbooks are not dead.
 - A well-written text tells a coherent story of the field of chemistry with each topic building on the previous topics, helping students to construct a logical understanding of chemistry.
- They are just changing.
 - Electronic books
 - Supplemental web-based tools linked to the text
- The changes make it possible for more people to create a textbook without the aid of a large academic publisher.

An Introduction to Chemistry by Mark Bishop

- Textbook intended for use in beginning chemistry courses that have no chemistry prerequisite...for students who are
 - preparing themselves for general college chemistry.
 - seeking to satisfy a science requirement for graduation.
 - in health-related or other programs that require a one-semester introduction to general chemistry.
 - taking high school chemistry.

History

- Originally published by Benjamin Cummings in 2002
- Now published by Chiral Publishing Company with a new model for distribution.
 - Traditional printed text
 - Two versions of the text and all of their tools are freely available on the Internet in PDF form. (preparatorychemistry.com)
 - WebAssign electronic text/tools/homework package
 - Audio version also available on the Net.
 - eBook for iPad, Android devices, and Kindle

Supporting Tools

- Animations
 http://preparatorychemistry.com/KMT_flash.htm
- Online lectures
 http://preparatorychemistry.com/Bishop audiobook atoms Section 4 2.html
- Glossary quizzes
 http://preparatorychemistry.com/Glossary atoms 1 flash.htm
- Tutorials
 http://preparatorychemistry.com/Bishop_bal_eq_Flash1.htm
- Chapter maps
 http://preparatorychemistry.com/Bishop_concept_map_atoms_7.htm
- PowerPoint presentations
 http://preparatorychemistry.com/ppt 4Bishop atoms Chem 10.pdf
- Audio-video book
 http://preparatorychemistry.com/Bishop audiobook CF Section 13 1.html

Ways to get text

- Option 1: Students who want a regular printed copy of the text can purchase one from my website for \$74.95, including shipping (or a slightly blemished but still shrink wrapped text for \$64.95).
- Option 2: The text can be purchased from school bookstores for a list price of about \$79.95.
- Option 3: The WebAssign electronic text/tools/homework package can be purchased for \$41.
- Option 4: Students can purchase a WebAssign/printed-text bundle for \$109.95.

Ways to get text (cont.)

 Option 5: Students who have easy access to the Internet and who feel comfortable viewing the text on a computer, iPad, or Android device are asked to pay \$20 for that privilege.

http://preparatorychemistry.com/

 Option 6: If \$20 creates a significant financial hardship, the Internet versions of the text and tools can be used for free. (This is on the honor system. Students can decide on their own about whether they can afford the \$20 payment.)

Key Web Addresses

http://preparatorychemistry.com/

http://preparatorychemistry.com/Bishop_Tour.html

http://preparatorychemistry.com/Bishop_info.htm

http://preparatorychemistry.com/Bishop_versions.htm

www.webassign.net/bishop

preparatorychemistry.com/Bishop_2YC3_2019_textbooks.pdf

Tools for Text

- Layout program and for creating PDFs and EPUBs (InDesign)
- Photo manipulation software (Photoshop)
- Drawing Program (Illustrator)
- Adobe Acrobat
- Website creation software (Dreamweaver)
- Animation software (Adobe Animate CC)
- Video editing (Premier)
- An annual subscription to all of the Creative Cloud Adobe tools is available for educators at \$19.95/mo for the first year and \$29.95/mo after that.

Royalty-free Images

Royalty-free photos

http://www.bigstockphoto.com/

http://www.istockphoto.com/







Tools for Audio Files

- Microphone (with stand and shield)
 - AKG C 3000 microphone (\$279 on Amazon).

https://smile.amazon.com/s?k=AKG+C+3000+microphone&ref=nb_sb_noss

- USB audio interface and audio file manipulation software
 - I use Focusrite Scarlett 2i4 with Pro Tools (\$109.99 on Amazon).

https://smile.amazon.com/Focusrite-Scarlett-Audio-Interface-Tools/dp/B01E6T56CM/ref=sr 1 3?keywords=Focusrite%2BScarlett%2B2i4&qid=1553525761&s=gateway&sr=8-3&th=1

Video Screen Capture

Camtasia Studio 2018

http://www.techsmith.com/camtasia.html

From Academic Superstore (\$207.95)

http://www.academicsuperstore.com/product/search?qk_srch= Camtasia&x=-858&y=-54

Adobe Captivate (\$399 educational price)

https://www.adobe.com/products/captivate.html
https://www.adobe.com/products/captivate/education.html

PDF Pros and Cons



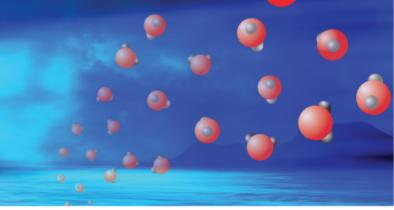
- Easy text searches
- Identical to printed text
- Easy to highlight and leave comments
- Links to animations and tutorials
- Objective references linked to body of text

Cons

- Need a computer or tablet
- Need Internet access

http://preparatorychemistry.com/Bishop_Atoms_First.htmhttp://preparatorychemistry.com/Bishop_Chemistry_First.htm

EPUB and Kindle Pros and Cons



Pros

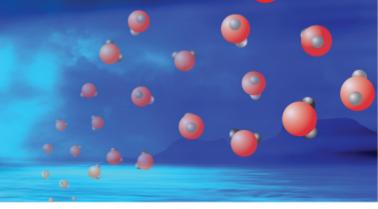
- Can change font size
- Convenience of use on phone or tablet

Cons

- Appearance different from printed text
- Pagination different from printed text
- Images not always with text describing it

http://preparatorychemistry.com/Bishop_iBook.htm http://preparatorychemistry.com/Bishop_iBook_CF.htm

EPUB and MOBI eBooks Steps to Get It

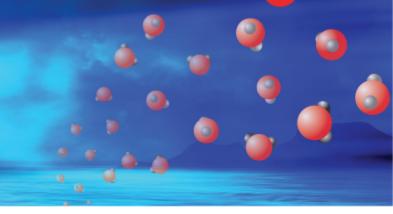


 Go to one of these links. The first link is for the atoms-first version, and the second is for the chemistry-first version

http://preparatorychemistry.com/Bishop_iBook.htm http://preparatorychemistry.com/Bishop_iBook_CF.htm

Follow the instructions on the screen.

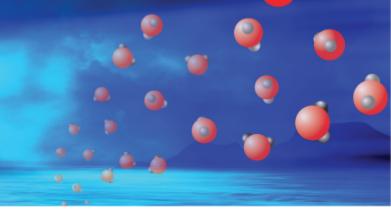
Audio Book Pros and Cons



- Pros
 - Auditory and Visual
 - Good for those people who have stronger auditory skills than reading skills
- Cons
 - Slower?
 - Can't highlight or comment

http://preparatorychemistry.com/Bishop Audio Book.htm

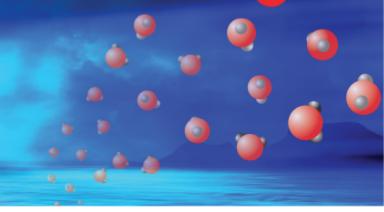
WebAssign Book Pros and Cons



- Pros
 - Tied to homework
 - Fits the way many modern students work
- Cons
 - Discourages reading the text before attempting homework?

http://preparatorychemistry.com/Bishop_Audio_Book.htm

More Information About My Project



http://preparatorychemistry.com/

http://preparatorychemistry.com/Bishop_Tour.html

http://preparatorychemistry.com/Bishop_info.htm

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