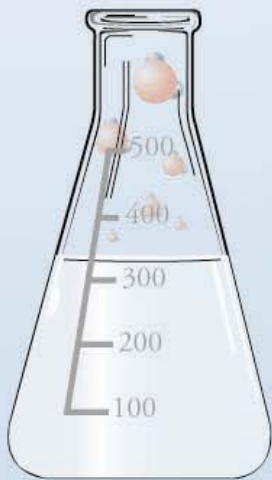
A vertical column of water molecules (H<sub>2</sub>O) is shown on the left side of the slide. Each molecule consists of one large red sphere (oxygen) and two smaller black spheres (hydrogen) bonded to it. The molecules are arranged in a descending staircase pattern from the top left towards the bottom left.

# Meeting student needs and interests through an internet-based preparatory chemistry text

Mark Bishop





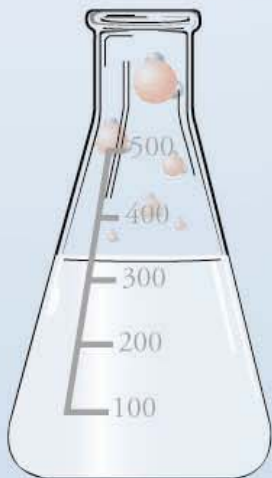
# *An Introduction to Chemistry by Mark Bishop*

- 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.

A decorative graphic of water molecules (H<sub>2</sub>O) is positioned in the top-left corner of the slide. The molecules are represented by a large red sphere for oxygen and two smaller black spheres for hydrogen, arranged in a V-shape. They are scattered across the top-left area, with some appearing to float or fall towards the flask below.

# *History*

- Originally published by Benjamin Cummings in 2002
- Now published by Chiral Publishing Company with a new model for distribution.
  - Traditional printed text
  - Both versions and all of their tools are freely available on the Internet in PDF form..
  - Audio version also available on the Net.

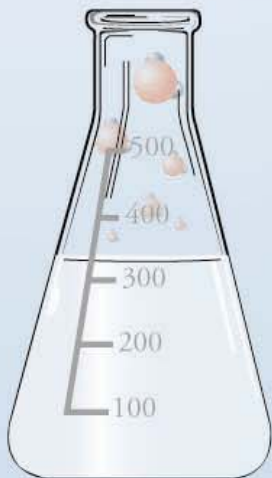


A decorative border of water molecules (H<sub>2</sub>O) is located in the top-left corner of the slide. Each molecule consists of one red oxygen atom and two white hydrogen atoms.

# *Simple Philosophy*

- Provide students with as many options for learning as possible, make sure they know how to use each tool, and hope that they choose wisely.

<http://preparatorychemistry.com/>



A decorative graphic on the left side of the slide. It features a vertical column of orange and grey spheres, resembling a molecular model or a chemical reaction. The spheres are arranged in a way that suggests they are falling into a flask at the bottom. The flask is a standard Erlenmeyer flask with a scale on its side, ranging from 100 to 500. The spheres are in various stages of falling, with some already inside the flask and others still in the air above it.

## *Tools for Text*

- Layout program (InDesign)
- Photo manipulation software (Photoshop)
- Drawing Program (Illustrator)
- Acrobat
- Web site creation software (Dreamweaver or other)
- Animation software (Flash or Director)
- All of these tools come bundled as Adobe's Creative Suite CS3 Design Premium, which includes InDesign, Photoshop, Illustrator, Acrobat, Flash, Dreamweaver, and other components. It's \$594.95 for educators at the Academic Superstore.

<http://www.academicsuperstore.com/>

A decorative graphic on the left side of the slide shows several water molecules (represented by one large orange sphere and two smaller grey spheres) falling from the top into a glass flask at the bottom. The flask has a scale on its side with markings at 100, 200, 300, 400, and 500. The flask is partially filled with a liquid, and the water molecules are shown entering it.

## *To Self Publish (1)*

- Get a guide book to tell you more about what's involved in self-publishing. (e.g. *The Self-Publishing Manual* by Dan Poynter)
- Pick and register your company's name
- Register with the tax board
- Purchase an ISBN and barcode.

<http://www.bowker.com/index.php/supportfaq-isbn/49-support-isbn/380-faq-isbn-howtoget>

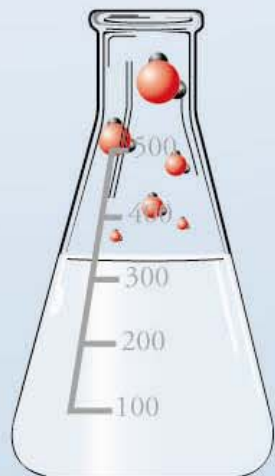
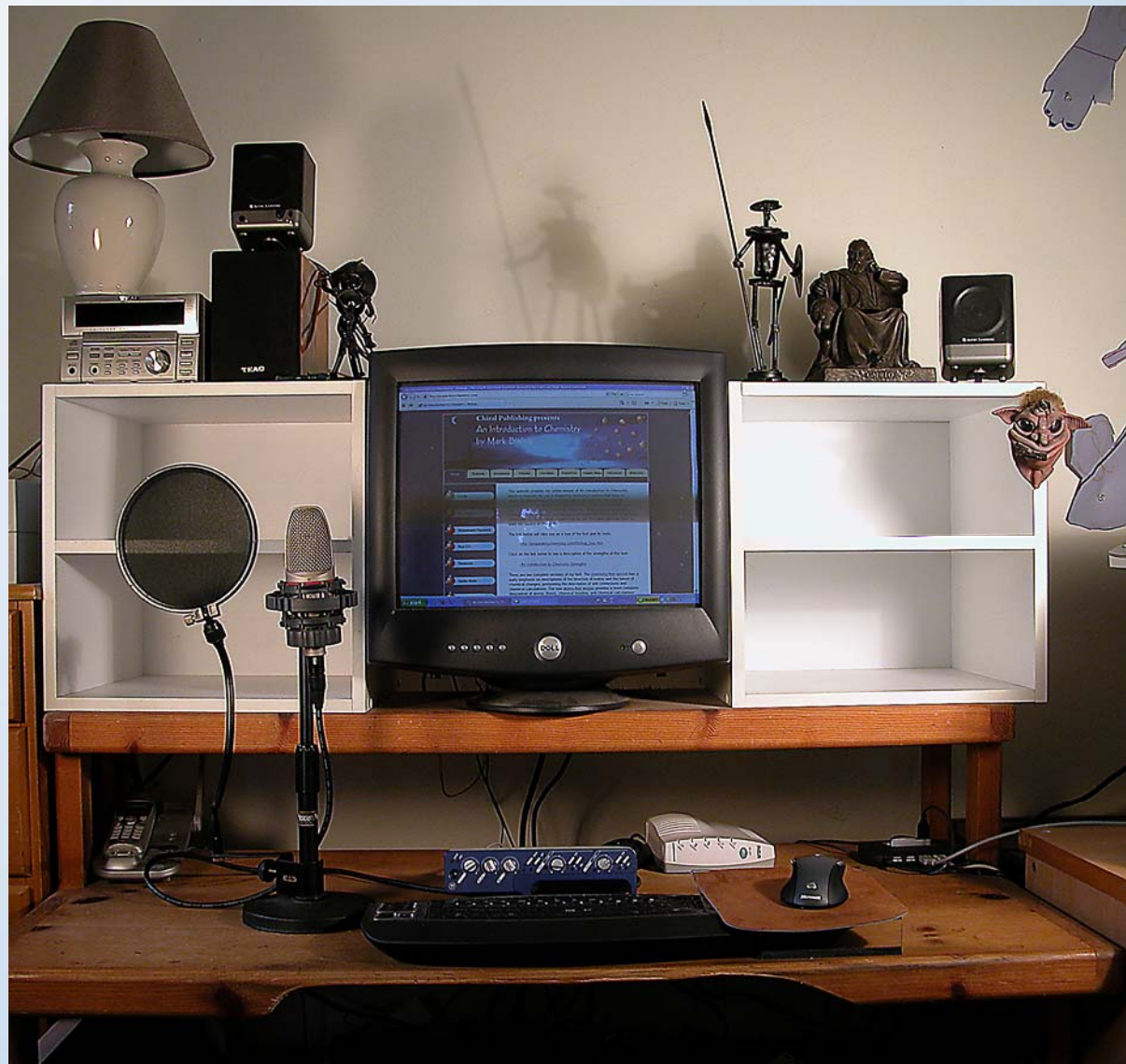
<http://www.bowkerbarcode.com/barcode/>



## *To Self Publish (2)*

- Find a printer
- I use [Apex Book Manufacturing](#) for digital printing and [Four Colour Imports](#) for offset printing. There's a good list at <http://www.aeonix.com/bookprnt.htm>
- Purchase shipping supplies, such as boxes, tape, and packing materials (I get most of my supplies from [Uline](#).)
- Develop a shipping plan (I use FedEx or UPS for domestic shipping and USPS for international shipping)
- Purchase business software to keep you organized and to create invoices and receipts. (e.g. Quickbooks)

# Making Audio Files



A decorative graphic on the left side of the slide shows several water molecules (one large orange sphere with two smaller grey spheres) falling from the top into a glass flask at the bottom. The flask has a scale on its side with markings at 100, 200, 300, 400, and 500. The flask is partially filled with a liquid, and the water molecules are shown entering it.

## *Tools for Audio Files*

- Microphone (with stand and shield)
  - I use a AKG 3000 B microphone (\$349 at Musician's Friend).
- USB audio interface and audio file manipulation software
  - I use Digidesign's MBox 2 with Pro Tools LE (\$449 at Musician's Friend).

<http://www.musiciansfriend.com/>

<http://www.digidesign.com/index.cfm?langid=1&itemid=4893>

A decorative graphic on the left side of the slide. It features a vertical column of orange spheres of varying sizes, each with two smaller grey spheres attached to its sides. These spheres appear to be falling from the top of the frame into a glass Erlenmeyer beaker at the bottom. The beaker has a scale on its side with markings at 100, 200, 300, 400, and 500. The background is a light blue gradient.

# *Web Tools*

- Adobe Flash
- Web site creation software (Dreamweaver or other)
- Drawing Program (Illustrator)
- Photo manipulation software (Photoshop)

All of these tools come bundled as Adobe's Creative Suite CS3 Web Premium, which includes Flash, Dreamweaver, Illustrator, Photoshop, and other components. It's \$495.95 for educators at the Academic Superstore.

<http://www.academicsuperstore.com/>