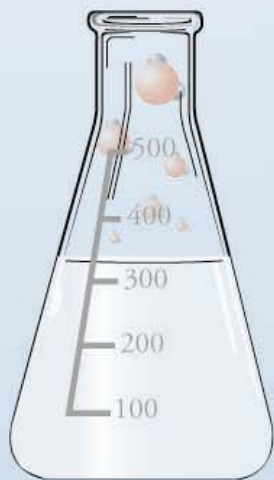
A vertical column of water molecules (H<sub>2</sub>O) is shown on the left side of the slide. Each molecule consists of one red oxygen atom and two black hydrogen atoms. The molecules are arranged in a descending sequence from the top left towards the neck of a flask at the bottom left.

# Chemistry 1A

## General Chemistry I

Instructor: Mark Bishop



A series of water molecules, each consisting of one red oxygen atom and two black hydrogen atoms, are shown falling from the top left towards a flask at the bottom left. The flask is a standard Erlenmeyer flask with a scale on its side, ranging from 100 to 500. The water molecules are positioned as if they are being added to the flask, with some already inside and others just above the surface.

# Who's it for?

- For people moving toward majors and careers in science, engineering, medicine, dentistry, chiropractic, physical therapy, dietetics,...
- Those who have some background in chemistry...or a lot of time. (Chemistry 2 provides a preparation for this course.)

A series of water molecules (H<sub>2</sub>O) are arranged in a vertical line on the left side of the slide, appearing to fall from the top. Each molecule consists of a large red oxygen atom and two smaller black hydrogen atoms.

# Class Meetings

## Lecture

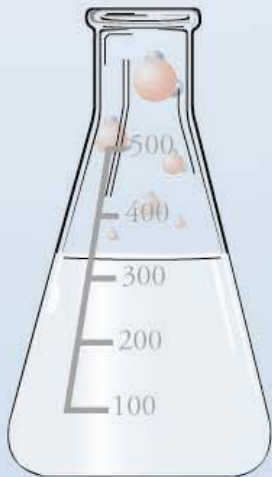
- MWF 11:10-12:00 in LF 101

## Problem Session (PS 201)

- either Monday 2-5 in PS 201
- or Monday 6-9
- or Tuesday 2-5 in PS 201

## Laboratory (PS 201 and 204)

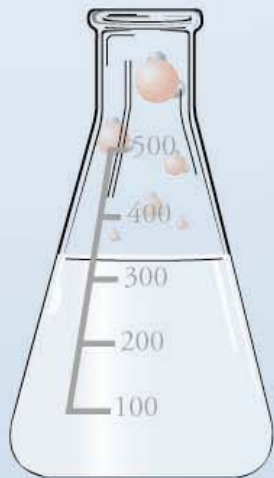
- either Wednesday 2-5 in PS 201 and 204
- or Thursday 2-5 in PS 201 and 204
- or Thursday 6-9 in PS 201 and
- or Friday 2-5 in PS 201 and 204



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 a large red sphere (oxygen) and two smaller black spheres (hydrogen) bonded to it.

# Sources of Information

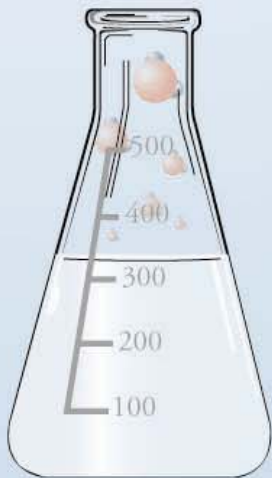
- Text – *Chemistry The Molecular Science, 3<sup>rd</sup> Edition* (Read Chapters 1 & 2)
- *Chemistry 1A Lecture Supplement, Laboratory Manual, and Worksheet Keys, Fall 2009 Edition* – Tells you what you need to be able to do (objectives), provides information that will help do it, and has worksheet keys. (Bring to class.)
- **Lecture** – clarification, examples



A series of water molecules, each consisting of one red oxygen atom and two black hydrogen atoms, are shown falling from the top left towards the bottom left. At the bottom left, a glass Erlenmeyer flask is partially filled with a liquid, and several water molecules are shown entering it from the top.

# More Sources of Information

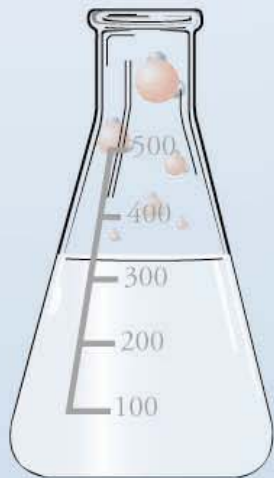
- **Web Site** – PowerPoint slides, Glossaries, sample exams, movable molecules,...
- **Lab Experiments**



A series of water molecules (H<sub>2</sub>O) are arranged in a descending staircase pattern from the top left towards the center of the slide. Each molecule consists of one red oxygen atom and two white hydrogen atoms.

# Clickers - Create an Account

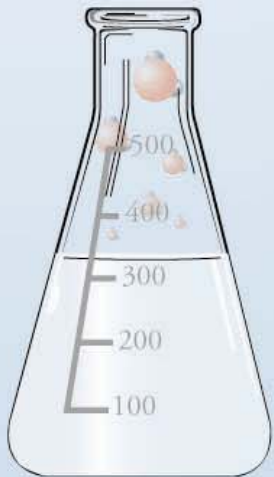
- **You will need:**
  - Class Key (G53209M636)
  - Connection to the Internet
  - Enrollment Code/coupon (from your *new* McGraw Hill textbook or your school bookstore) **or**
  - Method of Payment (Credit card or personal check)



A series of water molecules (H<sub>2</sub>O) are arranged in a vertical line on the left side of the slide, appearing to fall from the top. Each molecule consists of a red oxygen atom and two white hydrogen atoms.

# Clickers - Create an Account

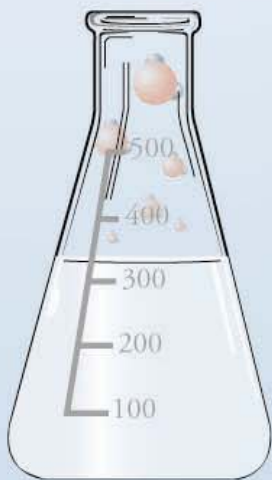
- Go to [www.einstruction.com](http://www.einstruction.com)
- Click on **Students** link at the top of the left of the window.
- Select **Monterey Peninsula College** from the drop-down menu.
- Click **Choose Site**.
- Enter your serial number in the space provided. You can find your serial number on your LCD screen when you turn on your clicker.
- Click **Create Your Account**.
- Create a Username and Password and fill in your contact information. Click **Submit** to create your account.



A series of water molecules (H<sub>2</sub>O) are arranged in a vertical line on the left side of the slide, appearing to fall into a flask. Each molecule consists of one red oxygen atom and two white hydrogen atoms.

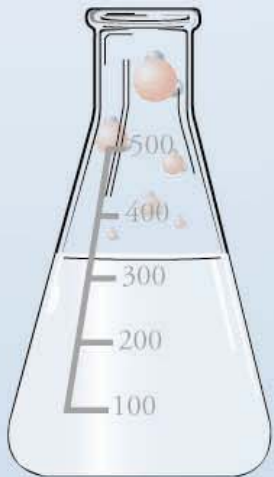
## Clickers - Enroll in Chemistry 1A

- Click **Yes** to immediately enroll in a class.
- Enter your Class Key (G53209M636) in the space provided. If you have a code, enter it in the **Code** box.
- Click **Submit**, choose your payment options, and click **Continue**.
- Fill in your billing information and click **Continue**.
- Once you have finished enrolling in this course, click **Log Out** so that your information is properly recorded.



# Website Highlights

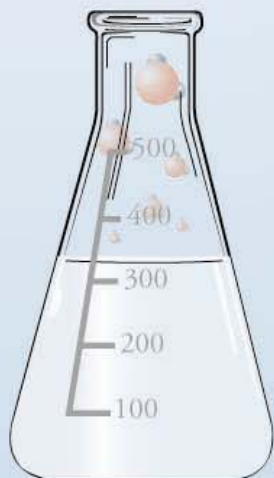
- Information sheets
- Schedule
- PowerPoint slides
- Sample Exams
- Links to other websites
- Shockwave Animations
- Exercise Keys



A decorative vertical column of water molecules (H<sub>2</sub>O) on the left side of the slide. Each molecule consists of a 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.

# Website Highlights (cont.)

- Glossary Quizzes?
- Chime Molecules
- Possible quiz questions
- Grades
- Other Topics
- Checklists
- Students Sites
- Downloads



A series of water molecules (H<sub>2</sub>O) are arranged in a descending staircase pattern on the left side of the slide. Each molecule consists of a large red oxygen atom and two smaller black hydrogen atoms.

# Where and When to Find Me

**Office** PS 208-D

**Office Phone** 646-4156

**Office Hours**

- MWF 10-11 AM
- MW 1-2 AM

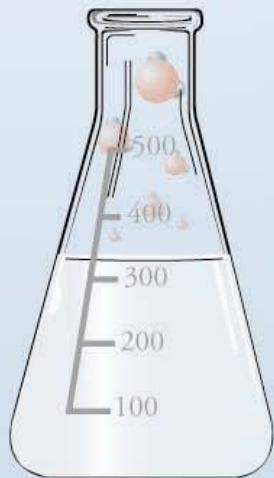
**Email** [bishopmark@comcast.net](mailto:bishopmark@comcast.net)

or [mbishop@mpc.edu](mailto:mbishop@mpc.edu)

**Web Sites**

[http://www.mpcfacylty.net/mark\\_bishop/](http://www.mpcfacylty.net/mark_bishop/)

<http://preparatorychemistry.com/>



A series of water molecules (H<sub>2</sub>O) are arranged in a vertical line on the left side of the slide, decreasing in size from top to bottom. Each molecule consists of one red oxygen atom and two black hydrogen atoms.

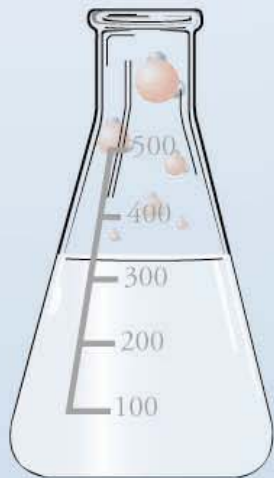
# Books and Equipment

- **Books**

- *Chemistry The Molecular Science, 3<sup>rd</sup> Edition* by Moore, Stanitski, & Jurs
- *Chemistry 1A Booklet* Fall 2009 by Mark Bishop

- **Equipment**

- Safety Goggles
- Scientific Calculator (Bring to problem sessions and lab.)



A series of water molecules, each consisting of one red oxygen atom and two black hydrogen atoms, are shown falling from the top left towards the bottom left. At the bottom left, a glass Erlenmeyer flask is partially filled with a liquid, and several water molecules are shown entering it from the top.

# Grading

**A** 90-100%

**B** 75-90%

**C** 60-75%

**D** 50-60%

**F** < 50%

**credit/no credit** available

# Grounds for Being Dropped

- failure to complete two exams
- failure to attend (and failure to make up) any three laboratory sessions that include experiments

