

Discovering Design with Chemistry Syllabus

Class Information:

Tutor: Elizabeth Wachtler
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Term: Fall 2017, Winter/Spring 2018
Prudentia Christian Co-op

What will you do in Chemistry?

- 16 chapters of chemistry topics: comprehension & review questions, tests, & lab reports

Bring to Class each week:

1. textbook: *Discovering Design with Chemistry* by Dr. Jay Wile, ISBN-13: 978-0996278461
2. lab kit: Discovering Design with Chemistry lab kit
3. completed assignments/homework to turn in

Other Required Materials:

- online access to the class website

Class Websites

I have a PCC Chemistry website (wachtler.org) with links, videos, and images directly related to the chemistry topics. Some of these are required. **Check this website each week.** This website also has downloadable copies of the syllabus, calendar, and other class handouts.

The textbook publisher also has a Discovering Design with Chemistry website with important textbook information. <http://www.bereanbuilders.com/olc/ddchem>

The textbook author, Dr. Wile, also has a question and answer website. This website requires free registration, but offers help with chemistry questions. <http://www.drwile.com/askdrj/>

Weekly Assignments:

1. **Read the textbook.** Specific text sections are assigned each week.
2. **Comprehension Check problems:** Answer all questions completely and check your work. Answers and explanations are found at the end of each chapter.
3. **Review problems:** Review questions are very similar to the test questions. I will email you the solutions for the review problems when necessary. Check and correct all answers before taking the chapter test.
4. **Lab Reports:** Write a brief lab report for each lab. Use a binder to store all lab reports. We will complete as many labs as possible during class time on Mondays.

Workbook:

The publisher has made a printable workbook available with Comprehension Check problems and Review problems for each chapter. Please print a double-sided copy of this document and complete all problems on these pages. Workbook found here:

<https://www.bereanbuilders.com/mkt/res/nb/9780996278461w.pdf>

Tests

Chapter tests will be sent home in a test folder every other week. These are "closed book" tests. Bring completed tests to class the following Monday with a parent signature.

Lab Reports

Each lab requires a brief lab report with title, date, materials, data, calculations, and summary. All lab reports must be organized and stored in a binder or equivalent. These will be collected and graded every 2 weeks.

Course Requirements & Grading

Assignment:	% of Class Grade
- Tests	25%
- Comprehension Check problems	25%
- Review problems	25%
- Lab Reports	25%

Extra Credit

Students may do additional assignments for extra credit. Occasionally extra credit assignments are offered to the class; these are optional.

Calculators:

You may use a calculator on homework and tests, but you must always **show your math work** in written form as well. This means completely **write out all equations and corresponding answers**. Answers that don't include the equation(s) will not receive credit.

Grading scale:

98 – 100%	A+
93 – 97%	A
90 – 92%	A-
87 – 89%	B+
83 – 86%	B
80 – 82%	B-
77 – 79%	C+
73 – 76%	C
70 – 72%	C-
67 – 69%	D+
63 – 66%	D
60 – 62%	D-
59 or below	F

Turning in Work and Absences:

Please turn in all written problems, lab reports, and tests on the day due at the beginning of each class period. Check the Assignment Calendar for all "due in class" dates.

Even if you are absent, you are still responsible for the work on our class syllabus and schedule. All work not turned in by the "due in class" date is subject to a 5 pt./week penalty, unless I know about the absence. Email me if you know in advance that you will be absent and we can arrange an alternative schedule for your assignments.

Honor Code

Let us honor God with honesty and integrity in this class. Students please sign the Chemistry Honor Code.

Why do I teach Science?

I love learning something new. I love to understand things, especially in the realm of science.

Acts 17:10 tells us the Bereans "*received the Word with all readiness of mind, and searched the Scriptures daily, whether those things were so.*" Like them, we can test all that we learn about God's creation to make sure that it is God-honoring and consistent with God's design.

In this class, we will experience beautiful moments when it all fits together and expands our understanding of our Creator. Praise God!

♥ Mrs. Wachtler