

Assigned Problems from our Textbook

Work these problems on paper, showing your work. Please present your answers in numerical order to facilitate grading. Do not rewrite questions; just write your answers. Completed assignments for each chapter are to be submitted through Canvas within a day or two following the completion of that chapter in lecture (as specified in the Canvas due date.)

ALL assignments, homework, and labs will be submitted *electronically* through the WSU Canvas portal as high-quality "**pdf**" scanned images or MS Word documents (*.doc or .docx* formats). Smart phone apps such as (<https://www.camscanner.com/>) are acceptable if the images are of high quality.

Work must be submitted by the deadline as listed on Canvas to receive full credit:

- LATE ASSIGNMENTS WILL BE DOCKED 10% per day for up to one week following the due date.
- NO ASSIGNMENTS WILL BE ACCEPTED AFTER ONE WEEK FOLLOWING THE DEADLINE.

Only "pdf" or "doc, docx" files are supported in Canvas. Write neatly and legibly. Be sure your scanned images are clear and easy to read! Combine all pages into a single file for submission. Keep your graded assignments in a notebook or folder for easy review, as this may help you recall your work and prepare for examinations.

BE SURE to review what you submit into Canvas... immediately after you submit. Sometimes Canvas will act like it accepted it, but it never shows up! If you cannot read what you submit in Canvas, neither can I.

Chap	Assigned Problems
1	5, 8, 9, 14, 16, 27, 32, 33, 34, 38, 39, 40, 43, 45, 46, 47, 51, 54
2	3, 14, 18, 19, 20, 25, 27, 28, 29, 31, 32, 34, 43, 44, 46, 52, 55, 56, 58, 65, 66, 69
3	6, 7, 12, 13, 15, 21, 23, 24, 45, 47, 50, 52, 53, 56, 59, 67, 71, 76, 77, 87, 90, 92, 93, 95, 97, 101
4	2, 8, 9, 13, 15, 17, 18, 21, 23, 30, 31, 37, 39, 52, 69, 72, 74, 78, 81, 84, 88, 99, 110, 111, 112
5	1ad, 3ab, 4, 6, 9, 10abc, 14, 15, 16ab, 19ac, 22, 24ac, 29ab, 31, 41, 44, 50, 57, 58
6	4, 9, 15, 21, 31, 36, 38, 53, 55, 62, 64, 69, 78, 83
7	10, 13ac, 16, 19bc, 23cd, 25, 26, 28, 31, 32, 33, 40, 43, 56, 57, 60, 61, 62, 66
8	<i>No assigned problems</i>
9	1, 2, 10, 15, 17, 18, 22, 24, 28, 35, 36, 37, 39, 40, 45c&d, 49, 50, 51, 58, 62, 64, 65, 75, 77
10	6, 9, 12, 18, 19, 23, 27, 28, 30, 33, 36, 38, 40, 48, 49, 50, 56, 59, 62, 64, 68, 69, 76, 80, 81, 82
11	2, 3, 5, 7, 8, 9, 11, 14, 18, 19, 23, 29, 30, 32, 33, 37, 39, 41, 43, 46, 50, 53, 57, 58, 61, 63, 66, 67, 75, 76, 78, 80, 81, 84
12	1, 3, 6, 9, 10, 14, 20, 23, 25, 34, 39, 42, 47, 48, 50, 51, 60, 62, 64, 70, 74, 82, 83, 87, 89, 97, 99
13	1, 2, 3, 5, 7, 8, 9, 16, 21, 22, 23, 33, 39, 40, 44, 47, 51, 53, 57, 58, 60, 70, 72, 79, 80, 81, 104, 108, 109, 111, 112
14	2, 6, 8, 9, 25, 28, 30, 35, 36, 45, 46, 47, 54, 57, 58, 59, 62, 63, 70, 71, 75, 76, 77, 80, 83, 84, 86
15	5, 7, 9, 13, 18, 22, 23, 26, 27, 37, 41, 43, 44, 49, 50, 51, 58, 61, 62, 65, 72, 74, 76, 79, 83, 84
16	4, 7, 8, 10, 18, 23, 29, 35, 48, 52, 53, 57, 60, 64, 65, 74, 76, 80, 83, 84a, 98, 104, 107, 109, 112

Note: Students are encouraged to collaborate with other(s) from our course while studying and doing assignments. Being able to discuss chemistry concepts and helping each other with challenging assignments enhances understanding. Talking about how to solve problems builds confidence and develops interpersonal communication skills, all of which are helpful in working with others.