

## Homework Assignments

All problems listed refer to the end-of-chapter "Questions and Problems" unless otherwise noted. Answers to even-numbered problems are provided in the back of your text. Homework is due each Tuesday unless otherwise noted. Assignments will not actually be handed in, but they will be checked for satisfactory progress. You'll get credit if you're attentively doing your homework (i.e. you've completed or attempted most of the assigned problems). Occasionally, there may be a class-wide HW accuracy check (HW collected and a few problems graded for accuracy), but, in general, it is your responsibility to verify that you have solved the problems correctly.

These HW problems cover the course basics. Mastery of these HW problems is just a starting point. To be successful in this course, you must also complete all exercises and problems that accompany the Group Activities.

<b>HW</b>	<b>Due</b>	<b>Assigned Problems</b>
HW1	1/20	See Homework 1 Handout
HW2	1/27	Ch2: 1, 6, 11, 12, 14, 18, 22, 26, 32, 36, 38, 40, 44, 56, 64 (use DA), 70, 82, 98, 111, 113, 126 (no calculator!), 156
HW3	2/3	Ch3: 5, 8, 10, 13, 14, 15, 16, 18, 19, 20, 24, 28, 40, 52, 54, 55, 57, 58
HW4	2/10	Ch4: 9, 10, 15, 20, 34, 38, 40, 42, 43-54 Problems from Handout: "Electron Shells and Valence Electrons"
HW5	2/17	Problems from Handout: "Covalent Compounds and Ionic Compounds" Ch4: 65, 66, 68, 70, 74, 76, 78, 80, 84, 89, 90
HW6	2/24 <i>Exam 1</i>	(Do as many as you need from Ch5: 20, 22, 23, 24, 25, 36, 44, 46, 50) Ch6: 1, 4, 8, 9, 10, 12, 38, 40 (optional), 52, 54, 64
HW7	3/3	Ch7: 10, 12, 16, 18, 20, 23, 24, 26, 28, 31, 32, 33, 36, 39, 41, 46, 50, 54, 60, 92
HW8	3/10	Ch8: 2, 4, 8, 10, 12, 14, 18, 20, 22, 24, 28, 32, 36, 40, 42
HW9	3/17	Ch8: 46, 50, 56, 58, 62, 66, 74, 75, 76, 78, 80 Ch9: 1, 2, 4, 12, 16, 24, 28, 30, 32, 38
HW10	3/24 <i>Exam 2</i>	Ch9: 41, 42, 43, 44, 46, 48, 52, 54, 58, 59, 60, 64, 66
HW11	<b>Thurs</b> 4/2	Ch10: 4, 7, 8, 10, 12, 14, 21, 26, 28, 30, 32, 34, 38
HW12	4/14	Ch11: 4, 5, 6, 8, 12, 16, 18, 24, 25, 30, 32, 33, 37, 40, 41, 42, 45, 47, 48, 49, 50, 54, 56, 58, 62, 68, 70, 74, 76, 78, 80, 82, 96, 108
HW13	4/21	Ch12: 6, 8, 9, 10, 12, 14, 18, 20, 22, 26, 28, 32, 36, 38, 41, 46, 58, 60, 62, 64, 68
HW14	4/28	Ch14: 6, 8, 12, 14, 16, 20, 22, 24, 26, 28, 36, 38
HW15	5/5 <i>Exam 3</i>	Ch15: 5, 6, 8, 9, 10, 14, 16, 20, 22, 24, 34, 38, 40, 44, 48, 56, 58, 64, 70, 72
HW16	5/12	Ch16: 4, 6, 8, 10, 12, 14, 16, 20, 22, 28, 30, 32, 34, 36, 37, 40, 44, 46, 48, 50, 52, 54, 56, 58, 59, 60
HW17	5/19 <i>Final Exam</i>	Ch13: 8, 10, 12, 22, 24, 30, 36, 38, 42, 44, 52, 56, 58, 62, 68, 70, 86, 90, 110