

CP Chemistry Book Assignments

Mr. Carman

<http://www.kentschools.net/ccarman/>

2011-2012

1st Quarter

	Learning Target	Quiz #	Chapter	Book Assignment
DC	Definition of Chemistry	1	1.1	p.6 #1-3; p.14 #4-7; p.25 #16-19
HPS	History & Philosophy of Science	1	-	p.26 #33-37
SM	Scientific Method	1	1.3	p.17 #8-11; p.26 #23-26, #29-32; p.130 #60
LM/E/R	Laboratory Methods/Equipment/Reports	2	-	-
DPM	Definition and Properties of Matter	3	2.1-2.3, 3.4	p.31 #1-2, 4; p.35 #7-12; p.40 #14-18; p.47 #24-28, 30-33, 38-42, p.72 #25-28
PCC	Physical & Chemical Changes	3	2.1, 2.2, 2.4	p.31 #3; p.43 #19-20; p.47-48 #29, 34-35, 43, 46
CM	Conservation of Mass	3	2.4	p.43 #21 & 23; p.47 #36-37
HMA	Historical Models of the Atom	4	5.1, 5.2, 13.1	p.108 #1-3; p.112 #4-6; p.129 #33-36, 52, 54; p.366 #1-3; p.386 #20-21
MSA	Modern Structure of the Atom	4	5.3, 13.3	p.121 #18-25; p.129 #37-46, 50-51; p.386 #23-24
PT	Periodic Table	5	5.4, 14.1-14.2	p.126 #27-28; p.129 #47-48; p.396 #3, 5; p.406 #6-7, 9; p.409 #10, 12, 17-23, 26-27
EGF	Elemental Groups & Families	5	5.4	p.126 #29-32; p.129 #49
NIC	Naming Ionic Compounds	6	6.1-6.4	p.137 #3-6, 8-9; p.148 #20-23; p.156 #32-36; p.163 #43; p.166-7 #45-48, 52-62, 67-
NM	Naming Molecules	6	6.1, 6.5	p.137 #7; p.160 #39, 41; p.167-8 #63-64, 66, 76
CR	Chemical Reactions	7	8.1	p.211 #11; p.232-3 #32-34
WE	Writing Equations	7	8.1	p.211 #9; p.232-3 #35, 55*, 61* <i>* do not balance</i>
IPR	Identifying & Predicting Reactions	7	8.2	p.224 #22-24; p.232-3 #40-51*, 56-60* <i>* do not balance</i>

+ 1st Quarter Project: poster presentation

2nd Quarter

	Learning Target	Quiz #	Chapter	Book Assignment
SI	SI Units	8	3.1, 3.3	p.53 #1-4; p.67 #17-22; p.78-9 #36, 50-59, 70
UC	Unit Conversion	8	3.3, 3.5, 4.2, 4.3	p.75 #32-35; p.95 #16, 18-19; p.100 #28, 30; p.103 #40, 43, 46
APE	Accuracy, Precision & Error	8	3.2	p.62 #13, 16; p.78-9 #37-40, 46-48, 66
MM	Molar Masses	9	7.1, 7.2	p.181 #11-15; p.186 #24, 27; p.198 #50, 51, 55-57
MaR	Mass Ratios	9	7.3	p.195 #39-42; p.198 #60-62
PC	Percent Composition	9	7.3	p.195 #39-42; p.198 #60-62
BE	Balancing Equations	10	8.1	p.211 #10, 12; p.232 #38-39, 43-44, 47-48, 50; p.233 #51, 54-61
MoR	Mole Ratios	10	9.1	p.241 #6-8; p.262 #33-34, 36, 40
MC	Molar Conversions	11	9.2	p.250 #19; p.262 #37
MaC	Mass Conversions (Stoichiometry)	11 & 12	9.2	p.250 #21, 22c; p.262-3 #38-39, 41a-b, 51-52
VC	Volume Conversions (Stoichiometry)	12	9.2	p.250 #22a-b; p.262-3 #41c, 56
LR	Limiting Reagents	12	9.3	p. 259 #29, 32; p. 262-3 #43-46, 48, 53, 54b
PY	Percent Yield	12	9.3	p.259 #30-31; p.262-3 #47, 49-50, 54a, 55

+ 2nd Quarter Project: powerpoint presentation

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3rd Quarter

Learning Target	Quiz #	Chapter	Book Assignment
SM States of Matter	13	10.1-10.3	p.272 #3-7; p.279 #8-13 p.283 #14-16; p.289 #20, 25-37, 39-41; p.290 #50-54
CS Changes of State	13	10.3-10.4	p.286 #17-19; p.289 #25-35 & #39-47
HCC Heat Capacity & Calorimetry	14	11.1	p.299 #4-10; p.322-3 #36-45, 64
CHC Calculating Heat Changes (Thermochemistry)	15	11.2-11.4	p.306 #15-19; p.313 #26-29; p.322 #51-54; p.323 #63, 65-67, 70-73; p.496 #24-26, 28, 30, 50
PG Properties of Gases	16	12.1, 12.2, 12.5	p.289 #21-24; p.328 #1-4; p.332 #5-9; p.353 #39-44; p.356 #45-50, 55, 63-66
CGL Combined Gas Law	16 & 17	12.3	p.340 #18-21; p.356 #51-54, 56-58, 71
IGL Ideal Gas Law	17	12.4	p.346 #26-30; p.356 #59-62
NC Nuclear Chemistry	18	28.1-28.2, 28.4	p.844 #1-3; p.851 #7-9; p.861 #16-21; p.864 #22-32, 37-40, 42-44; p.865 #45, 47-48, 50
HLC Half-Life Calculations	18	28.2	p.851 #6, 10; p.856 #11-15; p.864-5 #34-36, 49
NP Nuclear Power	19	28.3	p.856 #11-15; p.864-5 #41, 46
AB The Atomic Bomb	19	-	-

+ 3rd Quarter Project: website creation & sharing

4th Quarter

Learning Target		Quiz #	Chapter	Book Assignment
WAS	Water & Aqueous Systems	20	17.1-17.4	p.478 #1-3; p.481 #5-6; p.488 #10-14; p.493 #15-18; p.496 #19-23, 27, 29, 31-36, 38-46, 49; p.497 #51, 53-57, 59-60
PS	Properties of Solutions	20	17.3, 18.1, 18.3-18.4	p.508 #3-7; p.525 #38; p.528-9 #40-47, 57, 66, 71
CPS	Colligative Properties of Solutions	20	18.3	p.519 #24-27; p.528 #61
CoSM	Concentration of Solutions: Molarity	21	18.2	p.515 #18-19, 21-22
CoSD	Concentration of Solutions: Dilutions	21	18.2	p.528 #49-54
PCoS	Percent Concentration of Solutions	21	18.2	p.515 #20, 23; p.528-9 #53-54, 77
PAB	Properties of Acids & Bases	22	20.1, 20.3-20.4	p.579 #3-5; p.599 #21-25; p.605 #28, 33; p.609-610 #34, 36-38, 43-46, 50-52, 54, 57, 60-61, 67
CPH	Calculating pH	22	20.2	p.593 #16, 17a-b; p.609 #39, 41-42
ABR	Acid/Base Reactions	23	20.2-20.4	p.599 #23, 25; p.605 #32; p.609 #35, 43, 47-49, 58; p.610 #64-65
NR	Neutralization Reactions	23	21.1	p.624 #17-22; p.640 #36-39, 42-45, 56; p.641 #57-58, 60-63, 70
HC	Hydrocarbon Compounds	24	25.1-25.2, 25.4	p.751 #7-10; p.752 #11-13; p.761 #20-23; p.768 #28-36; p.769 #43-44, 49-50, 52;
FGP	Functional Groups & Polymers	24	26.1-26.4	p.777 #1-6; p.784 #7-12; p.794 #13-16; p.800 #17-19; p.804 #20-25, 27, 30 p.805-6 #35, 42, 44, 47, 48, 50

+ 4th Quarter Project: research paper