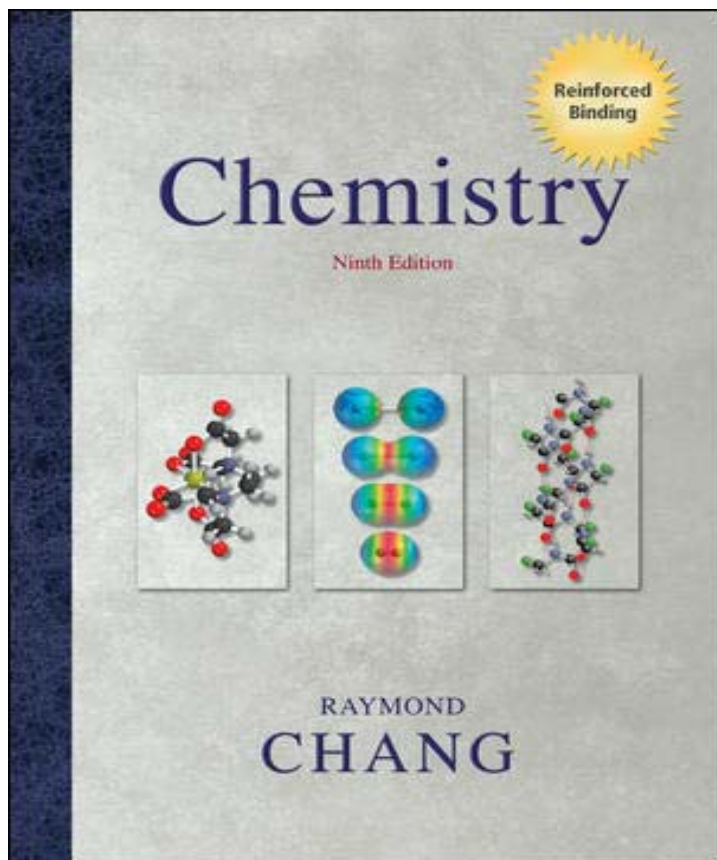


National
ADVANCED PLACEMENT*
CORRELATION GUIDE

to accompany

Chang
Chemistry
9e



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AP Chemistry
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CORRELATION

Subject: AP Chemistry
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4	Electron energy levels: atomic spectra, quantum numbers, atomic orbitals	274-302
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3	Geometry of molecules and ions, structural isomerism of simple organic molecules and coordination complexes; dipole moments of molecules; relation of properties to structure	400-411, 453-462, 471-477, 940-949, 1004-1008
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3	Raoult's law and colligative properties (nonvolatile solutes); osmosis	515-529
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2	Balancing of equations, including those for redox reactions	94-97, 820-822
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4	Relationship of change in free energy to equilibrium constants and electrode potentials	803-807, 831-834
4	Descriptive Chemistry (10-15%)	
1	Chemical reactivity and products of chemical reactions	122-142, 737-739, 880-887, 896-927, 939-940
2	Relationships in the periodic table: horizontal, vertical, and diagonal with examples from alkali metals, alkaline earth metals, halogens, and the first series of transition elements	878-887, 921-928, 936-940
3	Introduction to organic chemistry: hydrocarbons and functional groups (structure, nomenclature, chemical properties)	1002-1025

	<u>Topic</u>	<u>Pages</u>
5	Laboratory (5-10%)	See laboratory manual to accompany <i>Chemistry</i>, 9th Edition, by Raymond Chang
1	Making observations of chemical reactions and substances	
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4	Communicating effectively the results of experimental work	