

*AP CHEMISTRY
UNIT V TOPICS*

I. Gases

A. Measurements of Gases pgs 187-90

B. Kinetic Molecular Theory pgs 199-206

C. Gas Laws pgs 181-199; 206-208

1. Boyle's & Charles' Laws
2. Dalton's Law of Partial Pressures
3. Ideal Gas Law
4. Effusion, diffusion, and Graham's Law
5. Gases and stoichiometry

D. Real Gases and The Atmosphere pgs 208-214

1. Deviations from ideal behavior
2. VanderWaals Equation
3. Composition of air and air pollution

**p. 219-223 # 27, 29, 31, 35, 39, 43,
57, 61, 63, 65, 67, 69, 71, 75, 77, 79,
81, 83; review questions p 215 #7, 9**

II. Liquids and Solids

A. Liquid Properties & VanderWaals Forces pgs 425-430

B. Vapor Pressure and Changes in State pgs 459-466

C. Solid Properties and Solid Structure pgs 430-459

D. Phase Diagrams pgs 467-471

**p 475 #29, 31, 33, 35, 37,
81 (use formula to solve, not necessary to graph),
85, 87, 90, 91, 93, 95.**