**AP Chemistry Suggested Exercises**

**Unit 1 Matter, Measurement and Problem Solving**

**Ch1** #37, 41-44, 48, 50, 68, 72, 73, 78, 80, 87, 91, 95, 102, 104, 105, 106, 123, 129, 133, 139 **Atoms, Elements, Molecules & Compounds**

**Ch2 #**31, 43, 45, 52(a,b), 67, 69, 75, 77, 100, 106, 118

**Ch3 sections 1-7, 11**

Look over #s 23-58 and 111-118 if you need more review on naming/writing compounds

**Unit 2 Calculations with Chemical Formulas & Equations**

**Ch3 sections 8-10** 59c, 62c, 66b, 69, 73, 77, 83d, 85b, 87a, 95\*, 97\*, 99, 102, 106a,123, 126, 132, 134, 141

**Ch4 Sections 1-3** 25, 33d, 35b, 39, 45a, 47, 50

**Unit 3 Aqueous Reactions and Solution Stoichiometry**

**Ch4 sections 4-9** 53c, 55b, 59, 61, 63, 67, 69, 72, 74, 75, 79b, 85c, 86b, 89, 92e, 94, 95b, 99, 102, 106, 111

**Unit 4 Gases**

**Ch5** #27, 29, 31, 33, 35, 37, 41, 43, 44, 47, 51, 56, 57, 61, 63, 65, 67, 70, 75, 78, 81, 89, 95, 97, 107, 111

**Unit 5 Thermochemistry**

**Ch6** # 35, 39, 41, 45, 47, 53, 55, 59, 73, 76, 79, 81, 85, 89, 91, 101, 102, 105, 109

**Unit 6 The Quantum Mechanical Model of the Atom**

**Ch7** #35, 39c & 41c, 43, 51, 53, 73, 74, 79, 89

**Periodic Properties of the Elements**

**Ch8** #41a, 43a, 45d, 46, 52, 53, 57, 63, 67, 71, 95, 103

**Unit 7 Chemical Bonding – Lewis Model**

**Ch9** #39, 43, 45, 52, 53c, 57, 65, 67, 81, 82, 93, 97, 103, 116

**Molecular Geometry and Bonding Theories Ch10** #33, 35, 37, 39, 41, 67

**Unit 8 Liquids, Solids, and Intermolecular Forces**

**Ch11** #49, 51, 53, 54&120, 55, 59, 62, 63, 67, 79, 81, 93, 117, 143, 121

**Solutions**

**Ch12** #34, 35, 41, 43, 47, 51, 53, 58, 59, 65, 71, 77, 79, 81, 83, 85, 87b, 91a, 93, 106, 112

**Unit 9 Chemical Kinetics**

**Ch13** #27, 31a, 33a, 35-37, 39, 41, 43, 45-47, 49, 50, 53, 55, 57, 59, 61, 71-78, 81, 93, 94, 101, 103

**Unit 10 Chemical Equilibrium**

**Ch14** #21, 23-27, 29, 31, 32b, 33, 35, 37, 39, 41, 43, 45, 47, 49, 50, 53, 54-57, 61, 63, 65, 67, 69, 71, 77, 79,

**Unit 11 Acids and Bases**

**Ch15** #33, 34, 35, 37, 39, 41, 43, 44, 45, 47, 49c, 53, 55, 56, 57, 59a, 61, 63, 65, 67, 69, 71, 73, 79a, 81, 87, 89, 91, 95, 97, 99, 101, 103, 105, 117, 119, 123, 125, 129, 131

**Aqueous Ionic Equilibrium**

**Ch16 #**27, 28, 29, 37, 31, 33, 35, 37, 39, 41b, 45, 47, 53, 61-63, 65, 75-77, 81, 85, 87, 95, 101, 102

**Unit 12 Free Energy and Thermodynamics**

**Ch17** #31, 33, 35, 37, 39, 41, 45, 46, 47, 49, 51, 55, 57c, 59c, 61, 65, 67, 69, 71

**Electrochemistry ­**

**Ch18** #37c, 39b, 41, 43, 45, 47, 48, 53, 57, 61, 63, 65, 67, 71, 73, 77, 79, 83, 85, 87, 89, 99, 105, 106, 111

***Review 3 weeks in April AP EXAM 5/6 at 8:00AM***