

CHE 152  
Silberberg Chapter Problems

Chapter	Problems
<b>13 - Physical Properties of Solutions</b>	13.3, 13.4, 13.6, 13.11, 13.16, 13.41, 13.42, 13.44, 13.46, 13.48, 13.50, 13.52, 13.54, 13.56, 13.58, 13.61, 13.62, 13.63, 13.67, 13.73, 13.75, 17.77, 13.79, 13.81, 13.82, 13.103 <b>See Web Site for Chapter 13 Problems</b>
<b>16 - Chemical Kinetics</b>	16.1, 16.6, 16.8, 16.10, 16.11, 16.12, 16.15, 16.16, 16.18, 16.19, 16.20, 16.21, 16.26, 16.27, 16.28, 16.31, 16.32, 16.33, 16.34, 16.38, 16.39, 16.50, 16.52, 16.54, 16.59, 16.60, 16.62, 16.64, 16.65, 16.77, 16.79 <b>See Web Site for Chapter 16 Problems</b>
<b>17 - Chemical Equilibrium</b>	17.1, 17.3, 17.5, 17.11, 17.13, 17.14, 17.20, 17.23, 17.24, 17.25, 17.27, 17.28, 17.32, 17.33, 17.36, 17.37, 17.38, 17.39, 17.40, 17.41, 17.42, 17.43, 17.44, 17.45, 17.47, 17.51, 17.52, 17.53, 17.54, 17.55, 17.57, 17.59 <b>See Web Site for Chapter 17 Problems</b>
<b>18 - Acids and Bases</b>	18.7, 18.8, 18.9, 18.13, 18.15, 18.16, 18.18, 18.28, 18.29, 18.30, 18.31, 18.32, 18.33, 18.34, 18.35, 18.43, 18.44, 18.45, 18.46, 18.47, 18.48, 18.49, 18.52, 18.57, 18.59, 18.60, 18.61, 18.62, 18.63, 18.64, 18.68, 18.69, 18.70, 18.72, 18.73, 18.77, 18.80 <b>See Web Site: Equilibrium Problems 1 to 5 &amp; 17</b>
<b>19 - Acid-Base Equilibria and Solubility Equilibria</b>	19.1, 19.3, 19.6, 19.9, 19.12, 19.13, 19.17, 19.18, 19.19, 19.23, 19.26, 19.27, 19.28, 19.30, 19.37, 19.38, 19.39, 19.40, 19.41, 19.42, 19.43, 19.44, 19.45, 19.46, 19.48, 19.49, 19.50, 19.52, 19.53, 19.58, 19.60, 19.61, 19.65, 19.66, 19.68, 19.70, 19.71, 19.72, 19.73 <b>See Web Site for Chapter 16 Problems &amp; Equilibrium Problems 6 to 16 &amp; 18 to 26</b>
<b>20- Entropy, Free Energy and Equilibrium</b>	20.2, 20.9, 20.11, 20.12, 20.13, 20.14, 20.16, 20.27, 20.28, 20.32, 20.38, 20.39, 20.40, 20.41, 20.42, 20.43, 20.46, 20.51, 20.54, 20.55, 20.56, 20.58, 20.62, 20.63, 20.64 <b>See Web Site for Chapter 20 Problems</b>
<b>21 - Electrochemistry</b>	21.1, 21.3, 21.4, 21.5, 21.7, 21.8, 21.9, 21.10, 21.11, 21.12, 21.13, 21.15, 21.17, 21.18, 21.19, 21.20, 21.22, 21.23, 21.27, 21.29, 21.31, 21.32, 21.33, 21.34, 21.38, 21.40, 21.44, 21.45, 21.46, 21.49, 21.51, 21.53, 21.59, 21.62, 21.63, 21.70, 21.76, 21.77, 21.79, 21.80, 21.83 <b>See Web Site for Chapter 21 Problems</b>