Study Guide – Chemistry of Water

1. What types of molecules easily dissolve in water?
2. What are hydrophobic interactions? What force drives hydrophobic interactions?
3. What makes water “cohesive”?
4. What property of water allows it to insulate bodies of water?
5. What is evaporative cooling?
6. What properties of water allows it to moderate temperature changes in living systems?
7. If you were told one solution had a pH of 10 and another solution had a pH of 5, what would be the difference in hydrogen ion concentration?
8. Explain how buffers moderate changes in pH?

Complete Concept check questions within chapter 3
3.1(1,2) 3.2 (1,2,3) 3.3 (1,2)

Complete the following questions on the self quiz in the back of chapter 3.
1-6, 9

Complete the following questions on the chapter 3 activity quiz at the textbook website.
1-6, 8-11, 13-19

Complete the following questions in the chapter quiz at the textbook website.
1-27, 30-39.