Chemistry for Health Sciences

Short test # 9

Name: _________________________________    Date:  June 13, 2002

1. Give three properties of water.

2. What does a solution contain?

3. What are the factors affecting dissolution?

4. Give a strong electrolyte and a non electrolyte

5. Which equilibrium is established in a saturated solution?

6. How does temperature affect solubility of an ionic solid? Of a gas?

7. Which ions make a salt always soluble?

8. If 3.8 g of a solute is mixed with 56.5 g of water, what is its (m/m)%

9. If 4.6 g of NaCl is mixed in 500 mL of solution, what is its (m/v)%?

10. If 26.8 g of KOH is dissolved to make 0.75 L solution, what is its molarity?

11. Define acid and base according to Arrhenius

12. Define acid and base according to Bronsted-Lowry

13. Give two examples of acids

14. Give two examples of bases

15. What is a hydronium ion?

16. What is the ion product of water?