

Biochemistry Chap. 2 Cont.

I. Biochemistry

II. Inorganic cpds

A. WATER

1. Important properties
 - a. High heat capacity
 - b. High heat of vaporization
 - c. Universal solvent
 - 1) Transport medium
 - 2) Lubricant
 - d. Reactivity
 - 1) Hydrolysis rxns
 - 2) Dehydration rxns

B. Salts

1. electrolytes

C. Respiratory Gases

D. Acids and Bases

1. Acid
2. Base
 - a. hydroxyl ions
3. Neutralization
4. pH scale
 - a. 7.40

E. Buffers

1. How Work
2. Strong acid
3. Weak acid
4. Strong base
5. Weak base
6. Physiological Buffers
 - a. carbonic acid-bicarbonate system
 - b. Phosphate
7. Titration Curve
 - 1) midpoint