

Lecture: Dissociation of Water and concept of Buffers. SEMESTER-I WEEK-04

Delivered by Dr. Surraiya Shaikh Biochemistry

Objectives:

By the end of this lecture, you should be able to:

1. Explain the Structure & Properties of Water
2. Define the terms *acid*, *base*, and *pH*.
3. Discuss the principal ways that hydrogen ions are produced during metabolism.
4. Discuss the importance of acid-base regulation
5. List principal intracellular and extracellular buffers.
6. Explain the role of respiration in the regulation of acid-base status during acid base disturbances.
7. Explain the role of kidneys in the regulation of acid-base status during acid base disturbances.