



INTRODUCTION TO BIOCHEMISTRY

Zahra Saad Tahseen

Zahra.saad@tiu.edu.iq

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Outline

- ✓ History
- ✓ Introduction
- ✓ Scope & Importance of Biochemistry
- ✓ Role of Biochemistry in Pharmacy

Objectives

- Understand the concept of Biochemistry.
- Learn the scope and importance of biochemistry for pharmacy student.

Biochemistry



Name:.....

Group:.....

What I Already Know?	What I Want to Know?

History



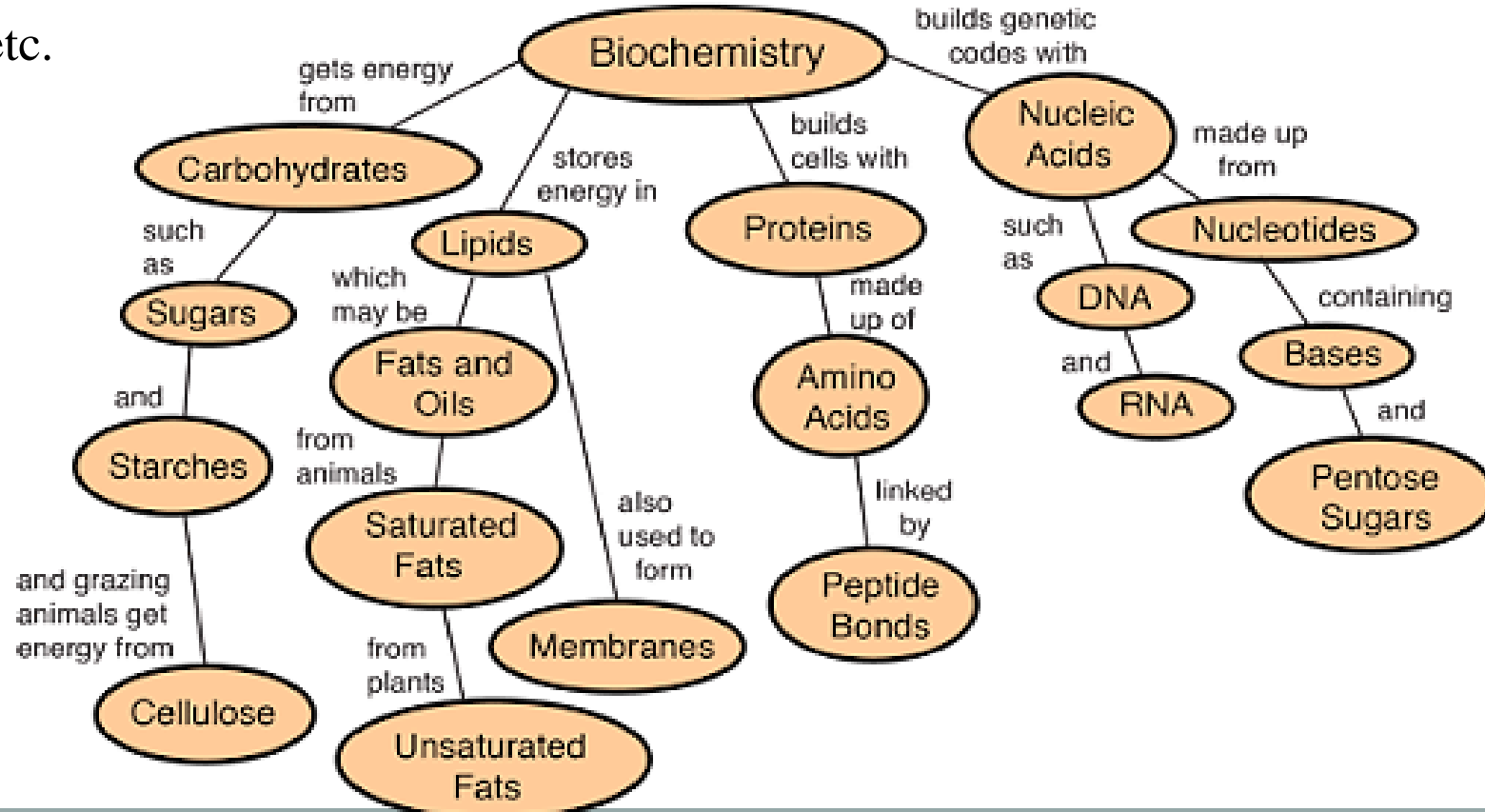
- The term ‘**Biochemistry**’ was first introduced by German Chemist **Carl Neuberg** in **1903** from Greek word ‘**Bios**’ means ‘**Life**’.



Biochemistry



- **Biochemistry** is the branch of science that deals with the chemical composition of living organisms.
- **Biochemistry** also deals with the functions and structure of **biomolecules** such as carbohydrates, lipids, proteins, etc.



Scope & Importance of Biochemistry



- **Biochemistry** help to understand the chemical aspects of different biological processes such as digestion, respiration, reproduction, excretion, the behavior of hormones, contraction, and relaxation of muscles, and many more.
- It plays a vital role in health and nutrition.

Role of Biochemistry in Pharmacy



- **Biochemistry** is the science which investigates how chemical compounds found in medicine interact with the molecular components of cells such as nucleic acids, proteins, etc..



References



- **Lippincott Illustrated Reviews: Biochemistry**