Chemistry of Nutritio

Course Outcome: Contrast the synthesis, composition, structure and functions of major biological mac
Illustrate the process of flow of genetic information.

Your Name(s)

How do chemistry and nutrition come together?

- Nutrition is referring to all of the nutri vitamins, and minerals our bodies need to function properly.
- Our bodies are very complex and go through process'"by which substances in food are t into body tissues and provide energy for t range of physical and mental activities th human life." (Kent-Jones, 2020)
- These processes are going to involve bioch molecular biology
- There are 3 essential nutrients to be cons through food for the human body, Carbohydr Proteins, and Lipids these give the body i
- Meanwhile minerals, vitamins, and water su body's metabolism.
- Chemical reactions, where one or more chem substance is changed into a different subs occuring in the body constantly to give us keep our bodies functioning
- The next few slides will talk about the di these nutrients and how chemistry correlat

Chemical digestion

- Chemical digestion “involves the catalytic processing of food in gastrointestinal (GI) tract by digestive enzymes, aided by co-se substances, required to break down the food substances into sir molecules for absorption”(Welcome, 2018).
- Large food molecules i.e. nucleic acids, carbohydrates and prot be broken down to small molecules that can be of great help in the body with energy and improving the body system.
- Enzymes make this possible through hydrolysis.
- After polymers are broken down into monomers they go through in the stomach and small intestines, entering the circulatory sys then being carried to cells that need the nutrients that were ab