



# INDIAN SCHOOL NIZWA - WORKSHEET

## BIOLOGY CH:9 BIOMOLECULES

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: XI Sec: A

1.	List out some inorganic constituents of living tissues?
2.	Draw the structure and write the difference of a) nucleoside , b) nucleotide
3.	Write short note on a) Polysaccharide b) Nucleic acid
1.	What are Bio-macromolecules?
1.	List out some major proteins and their functions.
2.	Differentiate primary and secondary metabolites with examples.
3.	Explain the primary, secondary, tertiary and quaternary structure of protein molecule
4.	Differentiate between DNA and RNA.
5.	Describe the structure of DNA with a neat diagram
6.	Differentiate between anabolism and catabolism
7.	Why enzymes are called biocatalysts?
1.	Differentiate between prosthetic group and co-enzyme.
2.	What is an active site of an enzyme molecule?
3.	Explain activation energy with a graph.
4.	Explain the properties of an enzyme molecule.
5.	How substrate concentration does affect the velocity of an enzyme action?
6.	Describe the different steps involved in the catalytic cycle of an enzyme action
7.	What are the factors which affect the enzyme activity?
8.	What is competitive inhibition?
9.	Describe the important properties of enzymes.
10.	Describe the classification and nomenclature of enzymes.
11.	What are co-factors, , co enzyme , apoenzyme and prosthetic group