



BIOLOGY

NCERT - NCERT BIOLOGY(TELUGU)

BIOMOLECULES



1. What are macromolecules? Give examples.

Watch Video Solution

2. Illustrate a glycosidic, peptide and a phospho-diester bond.
Watch Video Solution

3. What is meant by tertiary structure of proteins?



4. Proteins have primary structure. If you are given a method to know which amino acid is at either of the two termini (ends) of a protein, can you connect this information to purity or homogeneity of a protein?

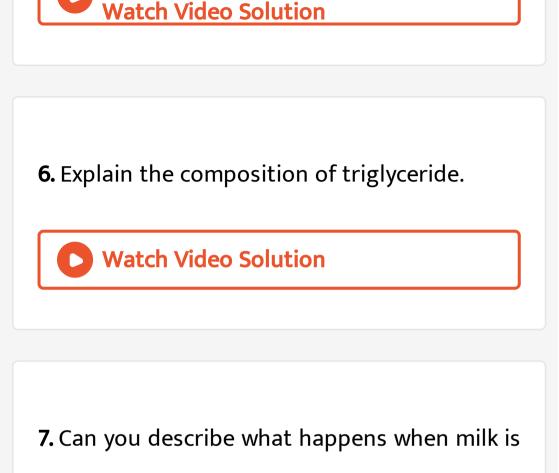


5. Find out and make a list of proteins used as

therapeutic agents. Find other applications of

proteins (e.g., cosmetics, etc.)





converted into curd or yoghurt from your

understanding of proteins?

Watch Video Solution

8. Can you attempt building models of biomolecules using commercially available atomic models (Ball and Stick models).

Watch Video Solution

9. Attempt titrating an amino acid against a weak base and discover the number of dissociating (ionizable) functional groups in the amino acid.



10. Draw the structure of the amino acid, alanine.

Watch Video Solution

11. What are gums made of? Is Fevicol

different?

Watch Video Solution

12. Find out a qualitative test for proteins, fats

and oils, amino acids and test any fruit juice,

saliva, sweet and urine for them.



13. Find out how much cellulose is made by all the plants in the biosphere and compare it with how much of paper is manufactured by man and hence what is the consumption of plant material by man annually. What a loss of

vegetation!

