The Practise Ground

Class 11-12 Biology

Biomolecules

The four big molecules of life

1 Carbohydrates

Monomer: monosaccharide

Quick energy; starch, glycogen and cellulose

2 Proteins

Monomer: amino acid

Enzymes, hormones, structure; peptide bonds

3 Lipids

Glycerol + fatty acids

Long-term energy store; cell membranes

4 Nucleic acids

Monomer: nucleotide

DNA and RNA; store and use genetic information

Iodine	Benedict	Biuret	Sudan	Enzyme
blue-black	**brick red**	**violet**	**red stain**	**protein**
starch	sugar	protein	lipid	catalyst

Remember

Enzymes are proteins that speed up reactions without being used up.

Each enzyme works best at its own temperature and pH.

Quick test

Food turns violet with Biuret reagent.

It contains protein.

Think you've got it? Test yourself.

Scan for a free Class 11 Biology quiz.

thepractiseground.in

Free for every class. Print and display it anywhere.