

Nucleotide

Make up nucleic acids which are polymers.

Monomers	Polymers
Monosaccharide: glucose galactose fructose	Polysaccharide: starch cellulose glycogen
Amino Acids	Polypeptides (protein)
Nucleotides	Polynucleotides (DNA)

Components of DNA

- Deoxyribose – sugar
- Phosphate group
- Organic base belonging to one of two groups
 - Single ring – cytosine and thymine
 - Double ring – adenine and guanine

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Lipids (fats)

- Aren't really monomers/polymers.
- Contain C, H or O.
- Insoluble in water.
- Dissolve in organic solvents i.e. acetone, alcohol.
- Fats (solid at room temperature) and oils (liquid at room temperature)
- Composed of fatty acids and an alcohol.
- A triglyceride – glycerol and 3 fatty acids.
- When components combine condensation reactions take place and 3 water molecules are lost.