

Functional Groups

Sept 9, 2019

Learning Targets:

10. I identify the following functional groups:

phosphate, C-N ring, amino acid, carboxyl group, hydroxyl group

why?

Organic molecules - molecules that contain C and

at least $\underline{\underline{1}}$ other element

\hookrightarrow usually O, H, N, P, S

Really large organic molecules are called biological molecules or biomolecules.

Living things are made of, or use, 5 biomolecules:

- 1) Adenosine triphosphate (ATP) used in energy transfer
- 2) Nucleic acid (DNA)
- 3) amino acids (protein-muscle, enzymes, cytoskeleton in cells)
- 4) lipid (fat, oil, wax - cell membranes) - energy
- 5) Carbohydrates (sugar, starch, fiber - source of energy)

We can ID each molecule by its functional group.



