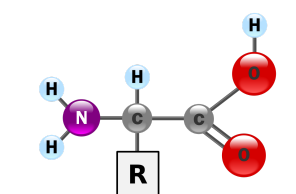
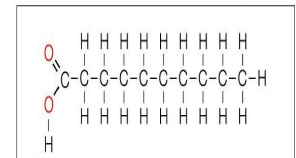
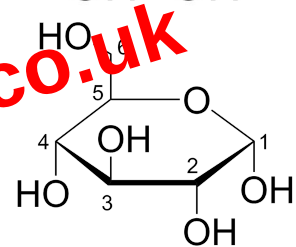
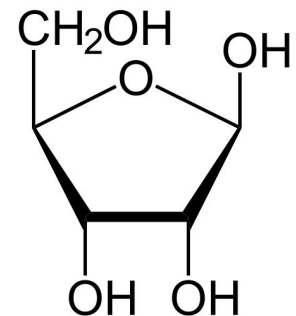
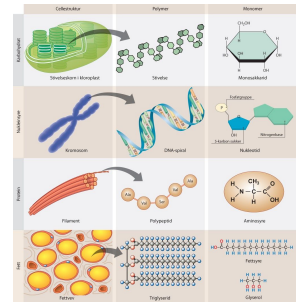


Biomolecule: a macromolecule in living organisms

Lesson 03 - Molecules to Metabolism (biomolecules)

All organic compounds have **carbon** and **hydrogen**.
Carbon Compounds:
Carbohydrates
Nucleic acids
Proteins
Lipids
amino acid
protein building block
Amino acids are made up of 3 parts:
Amine group, Carboxyl group
Variable group/side chain



Monosaccharides
monomers (building blocks) of carbohydrates;
simple sugars
Disaccharides: 2 monosaccharides bonded together formed by a condensation reaction (water is the

Lesson 04: Carbohydrates
Monosaccharides:
glucose, fructose, galactose, ribose
Disaccharides:
Lactose (glucose + galactose),
Sucrose (glucose + fructose),
Maltose (glucose +

