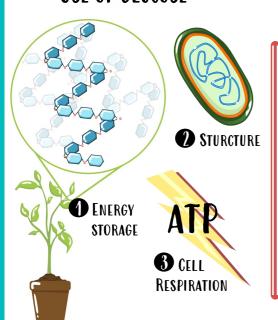
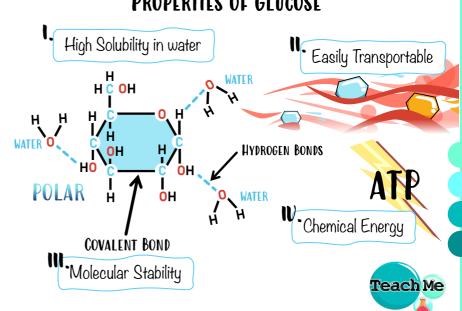
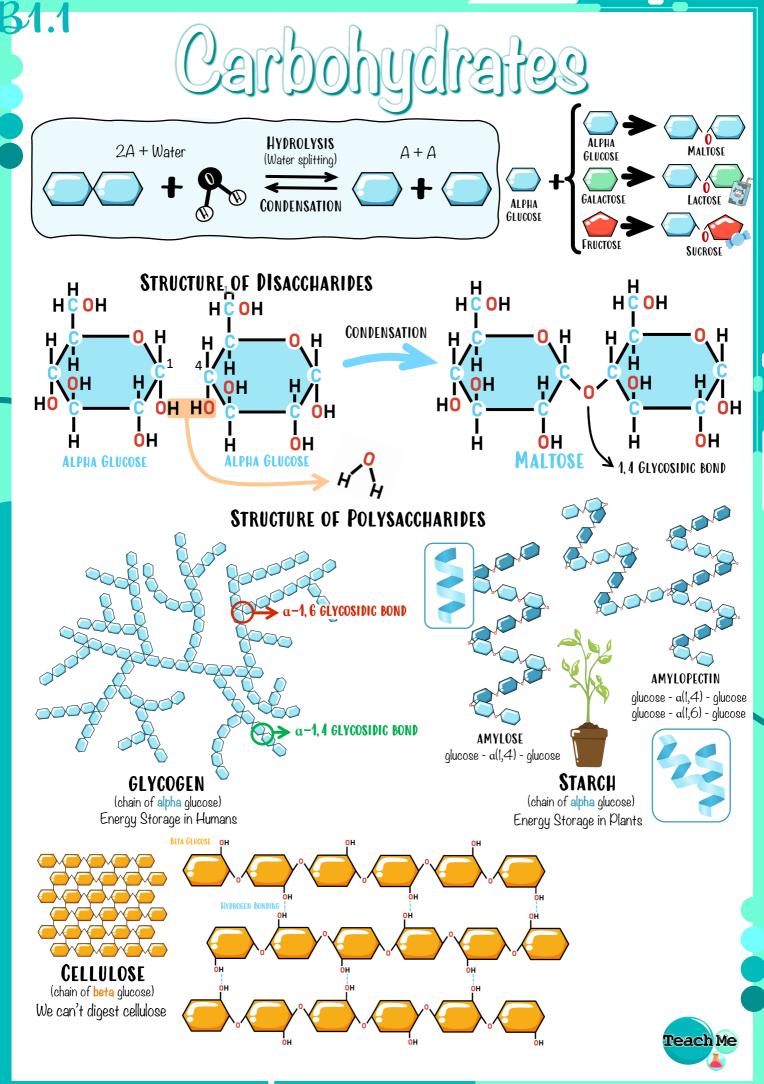


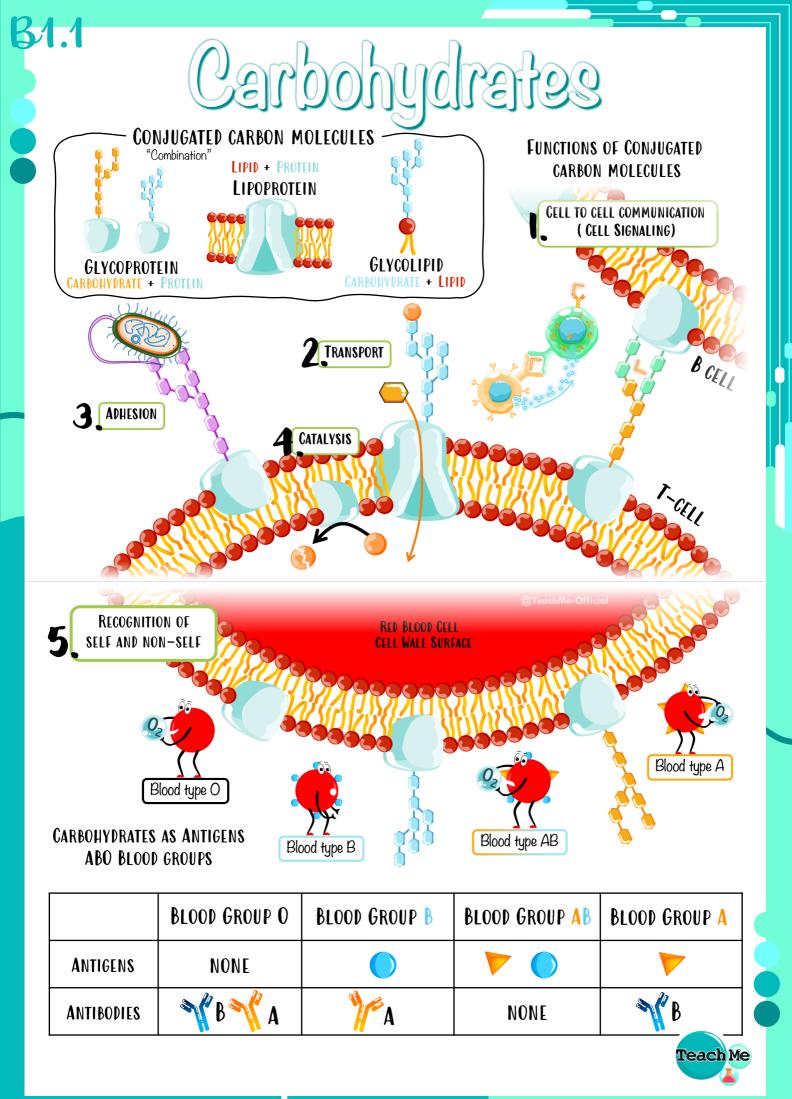
USE OF GLUCOSE



PROPERTIES OF GLUCOSE





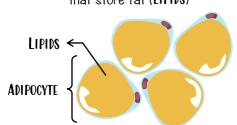




The **I** macromolecules CARBOHYDRATES LIPIDS NUCLEIC ACIDS PROTEINS

ADIPOSE TISSUE

Composed of cells (ADIPOCYTE) that store fat (LIPIDS)







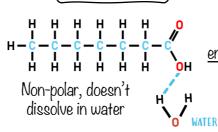






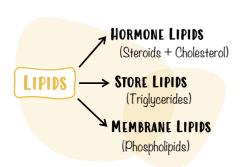






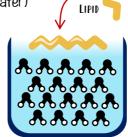
INSULATION Bird and mammals are endotherms - maintaining a

steady internal body temperature regardless of environment temperature



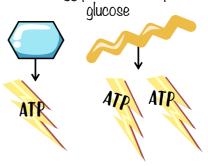


Fat is less dense than water (Floats on water)

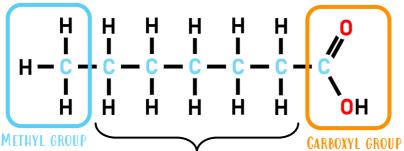


ENERGY

More energy produced compared to





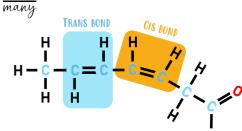


HYDROCARBON CHAIN

High melting point, solid at RT*

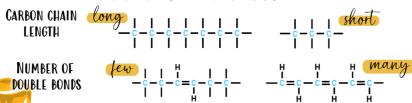
FATS (BUTTER) & ANIMAL MEAT

POLYUNSATURATED FATTY ACID

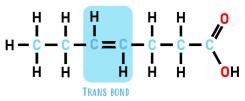


Lower melting point, liquid at RT 04

PROPERTIES OF FATTY ACIDS



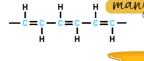
MONOUNSATURATED FATTY ACID



Lower melting point, liquid at RT 0118







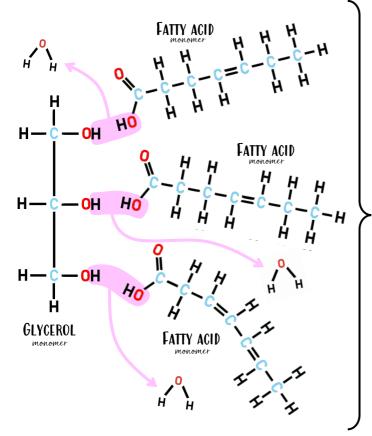




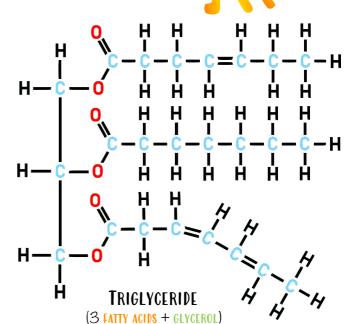
HIGH MELTING POINT

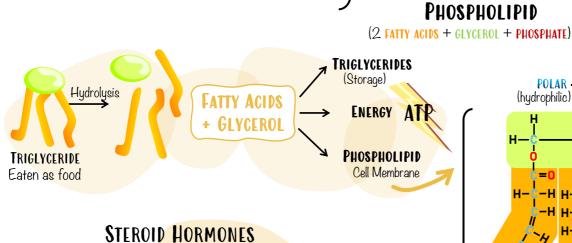
B1.1





TRIGLYCERIDE FORMATION by condensation reaction

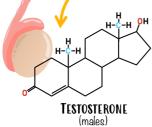




Made by gonadal tissue

For the exam: recognize the general structure – no need to know how to draw

Give the primary & secondary SEX CHARACTERISTICS (puberty)





NON-POLAR

(hydrophobic)

HORMONES — Molecules produced by glands (variety) in the body. One group of hormones are called steroids. They are made up from a type of lipid: CHOLESTEROL.

They regulate a wide variety of processes in the body

CHOLESTEROL



Inotess