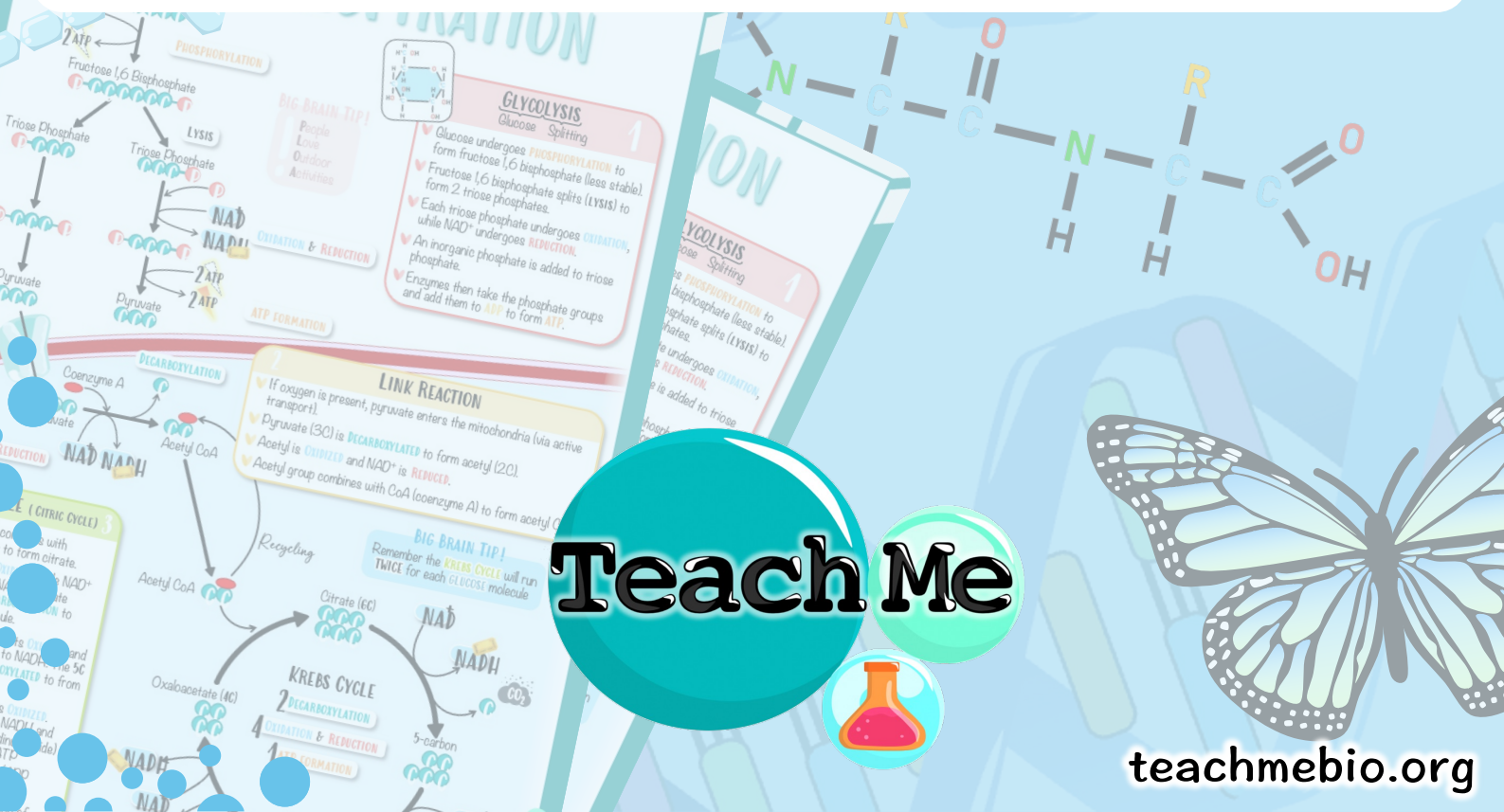


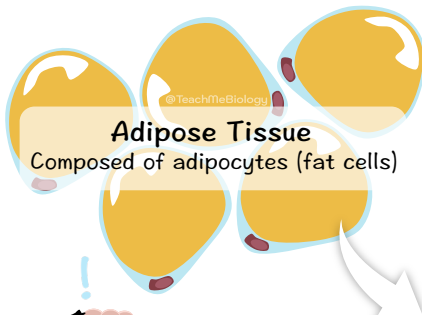
TeachMe

# STUDY NOTES

## UNIT 1 – CHEMISTRY OF LIFE 1.5 LIPIDS



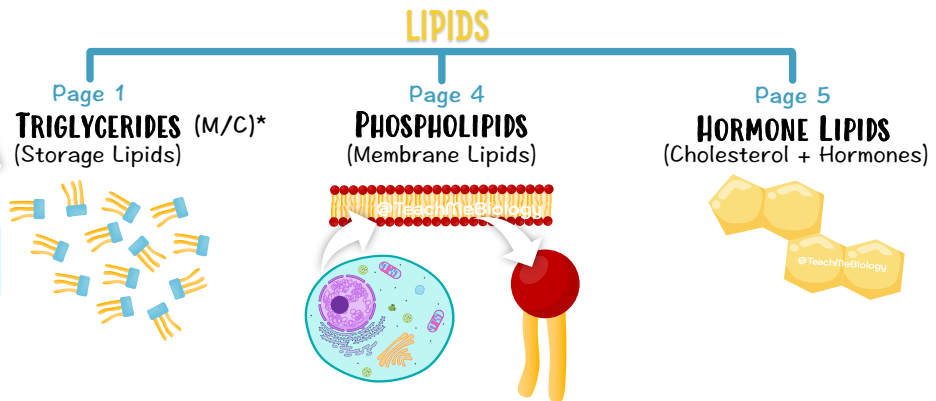
# LIPIDS



## BIG BRAIN TIP!

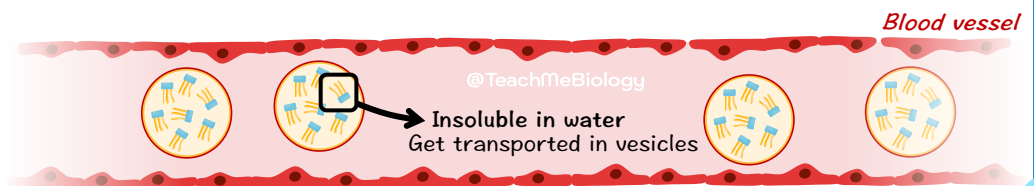
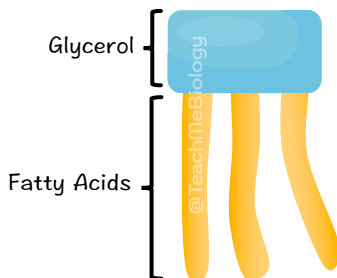
You can think of triglycerides as the version of glycogen for glucose.

Lipids are molecules composed of carbon, hydrogen, oxygen and phosphorus. You learn about three main types of lipids, mainly focusing on **TRIGLYCERIDES** (which are the storage form of lipids) and **PHOSPHOLIPIDS** (which make up the plasma membrane).



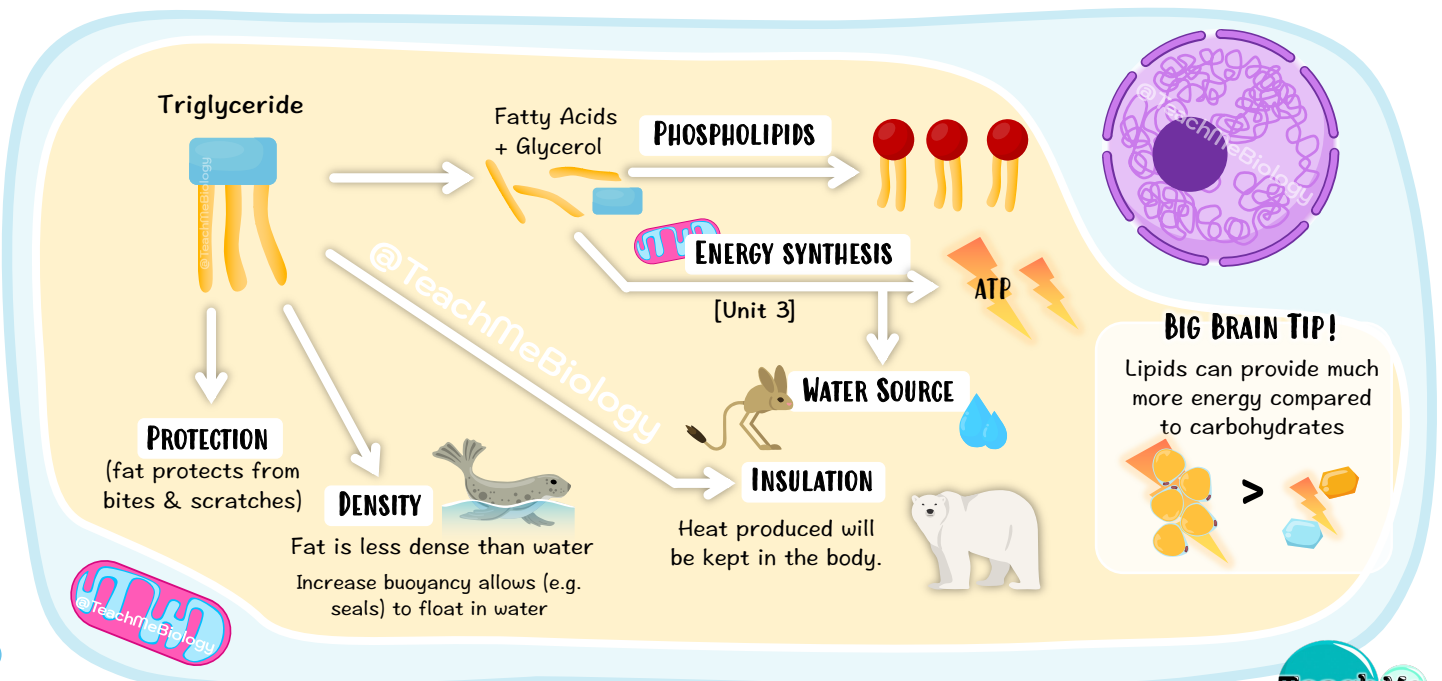
Notice how lipids are not considered when it comes to the idea of monomer and polymer: as it is not a repeat of the same monomer!

## TRIGLYCERIDES



Triglycerides are non-soluble (don't dissolve in water), they therefore need to be transported via the blood within vesicles. Triglycerides are then stored in adipocytes.

They are made up of one **GLYCEROL** and three **FATTY ACIDS** (structure on page 2) and serve many purposes:



## BIG BRAIN TIP!

Lipids can provide much more energy compared to carbohydrates



\*M/C: abbreviation for "Most Common".

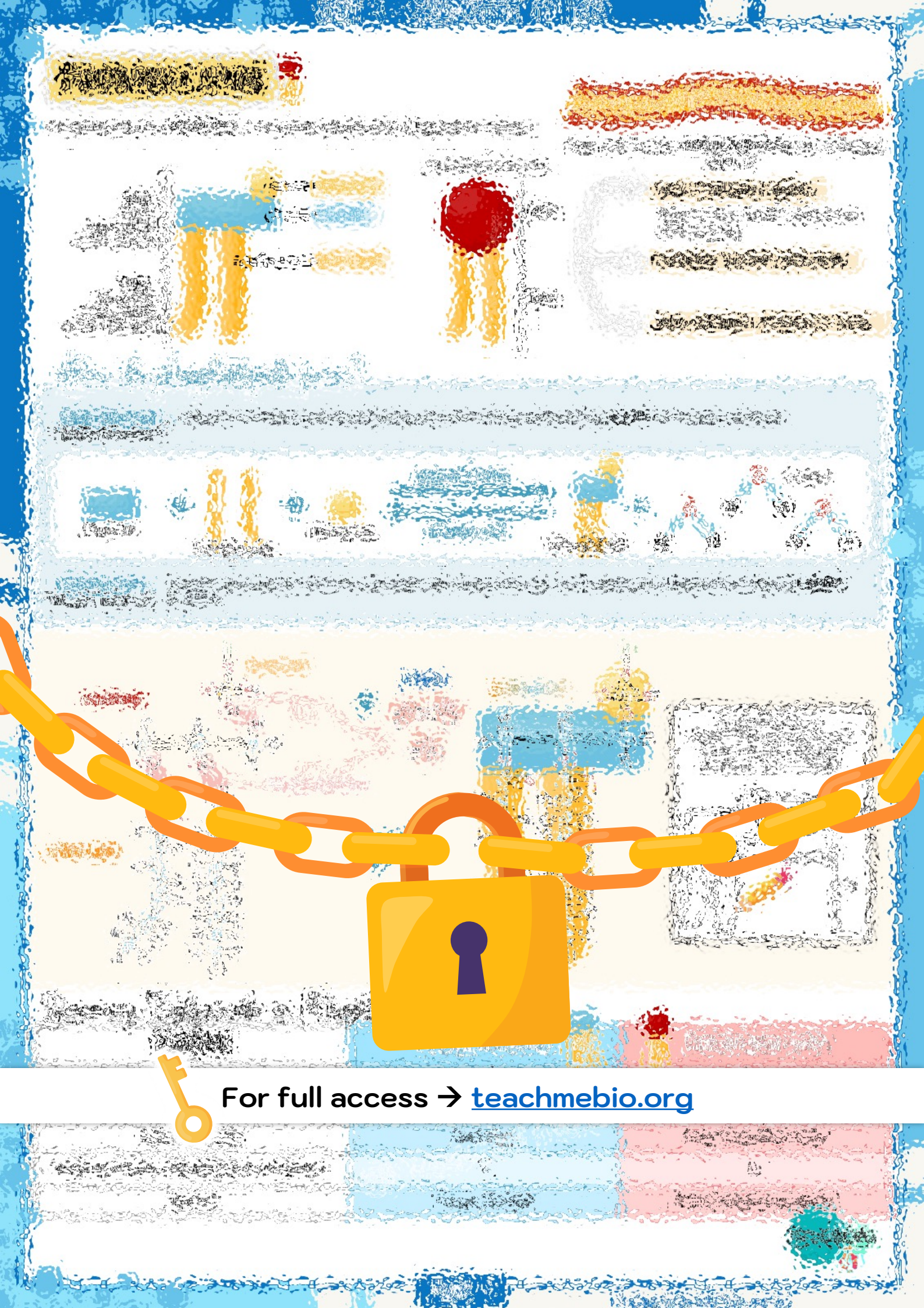
Some Adipocyte (fat cell)



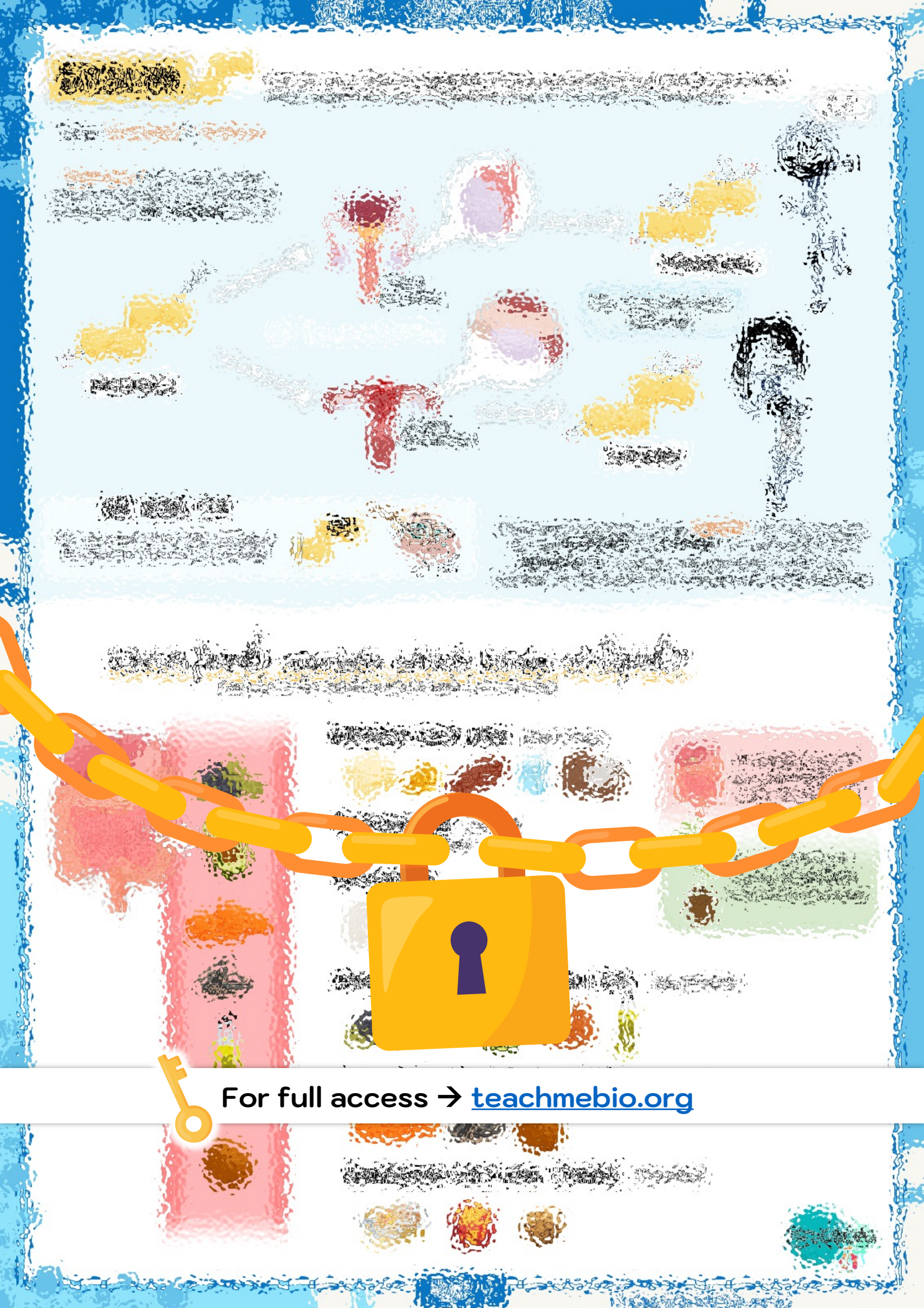
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