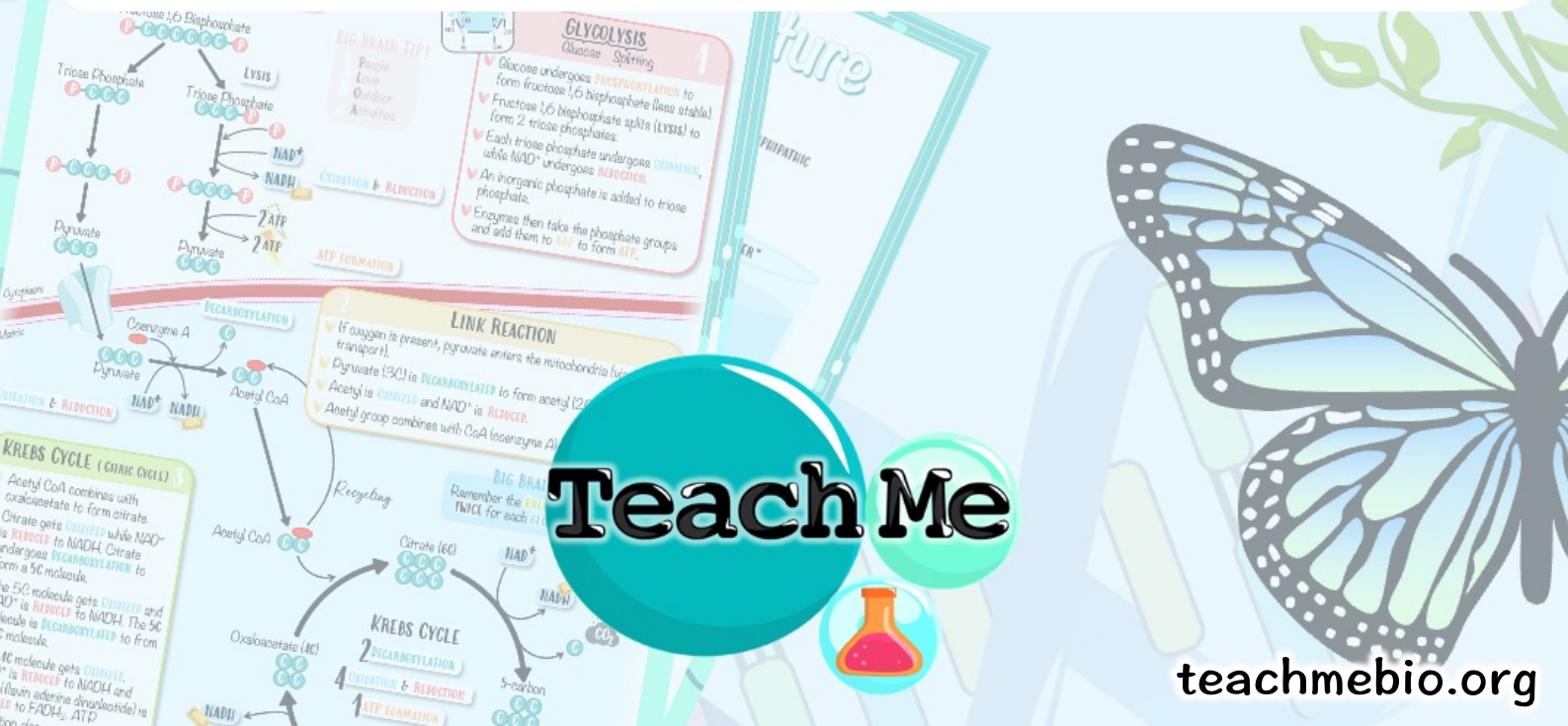


TeachMe

STUDY NOTES

B2.2 ORGANELLES & COMPARTMENTALIZATION



Organelles & Compartmentalization

COMPARTMENTALIZATION

Refers to the division of cells into different regions with one or two membranes causing separation.

Why?

What is the purpose of compartmentalization?

DANGER



Membrane
Hydrolytic enzymes

Lysosomes contain destructive enzymes used to breakdown proteins, lipids, carbohydrates and nucleic acids. Compartmentalization prevents destructive enzymes to contact vital structures within the cell.

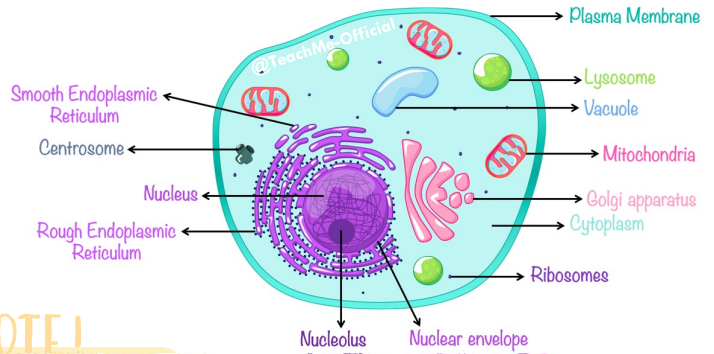
VESICLE FORMATION (ENDOCYTOSIS)

ORGANELLES

A (membrane bound) sub-cellular structure that carries out specific functions.

Structure of eukaryotic cell

Remember the different structures found in eukaryotic cells in section A2.2



NOTE 1

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