

LEESON PLAN



GRADE: 10

SUBJECT: biology

DATE: 6/4/2024

TOPIC: carbohydrates

LESSON :carbohydrate in human body

OBJECTIVES:

- recall the classification of carbohydrates into simple sugars (mono- and disaccharides) and complex sugars (polysaccharides),
- describe the alpha and beta structures of glucose and its properties as a hexose sugar,
- outline the synthesis and breakdown of disaccharides including maltose, sucrose, and lactose,
- describe the structure and function of glucose, starch, glycogen, and cellulose,
- explain the role of monosaccharides in the processes of transferring energy inside the cells of living organisms.

RESOURCE WORK:

- model
- EKB
- student book
- · teacher guide

INSTUCTIONAL AIDS:

- PowerPoint
- YouTube
- kahoot
- worksheet

TEACHING STRATIGES:

Cooperative learning: each group will discuss to reach the end of the maze. competition-based learning: by kahoot quiz.

TPS, brainstorming.

Discussion.

Blended learning: animation of different types of cabs.

Scenario based learning: present as illness and students will guess which disease is that.

game-based learning: drag into the plates.



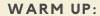




ISSUES INCULDED:

Feeling the blessing of health.

Glorifying the abilities and creation of God Almighty.



What comes to your mind when you see those photos? how can you link what you see with the lesson?

ELEMENTS OF LESSON:

- Pop up questions
- animation video
- links for more information
- types of carbs
- function of each type and examples.
- how to use it
- Activity (game)

CONCULSION

sticking notes in a closure walk board asking if there is something missing. quiz game to power them with excitement

EVALUTION:

exit ticket:

https://surveyheart.com/form/65e7e3effc3f755d99ea03ad

Kahoot quiz game :

https://create.kahoot.it/share/get-to-know-your-classmates-

for-higher-ed/8ce7d65c-e10a-4c13-b4e7-916ef22f6575

HOME WORK

Group 1, 2: build up a model for carb structures in human body.

Group 3: summary mind map about the lesson.

Group 4: presentation about lipids.

Group 5: presentation about carbs and its relation to Egypt grand challenges.





