




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.
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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.

WARM UP:

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)

CONCUSION

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.

