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MODERN METHODS OF TEACHING PROTEINS LESSONS AND NEWS IN TEACHING

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ABSTRACT

Perhaps - these are similar molecules, consisting of amino acids, which play an important biological role in the organism. Although traditional methods are often effective in training, approaches, supplemented by modern training methods, can increase the quality of education even more.

The purpose of cannabis is to make students more active participants in the teaching of topics, using advanced methods, interactive technologies, and scientific approaches.

Keywords: Fragility, desiccation, weakened immunity, theoretical concepts, blended learning.

INTRODUCTION

It is essential to make students more active participants in teaching topics using advanced methods, interactive technologies and scientific approaches.

On October 9, 2024, the Nobel Prize in Chemistry was awarded to David Baker, John Jumper and Demis Hassabis for their work in determining the structure of proteins and creating new types using artificial intelligence.

Protein deficiency can cause various negative effects on the body. For example, symptoms such as brittle hair and legs, dry skin, and weakened immunity are observed. In addition, symptoms such as constant hunger, metabolic disorders, and the ability to concentrate are also signs of protein deficiency.

The protein in eggs is of high quality, contains all nine essential amino acids and is 95% absorbed by the body. This distinguishes eggs as a source of high-quality protein [1].

German farmers warn that the spread of a protein disease will cause serious economic damage to livestock farms. The spread of this disease could have significant economic consequences.

When it comes to teaching methods, especially when it comes to proteins, there are several effective teaching methods. The following methods can be used to convey information about proteins in a clear and interesting way: 1. Visual aids and diagrams. Visual aids are very useful in explaining the structure and functions of proteins.

For example: *Protein structure diagram: Use diagrams showing structures such as amino acids, peptide bonds, alpha helix, and beta laminarity.

*Animations: Animations that explain protein synthesis or its functions engage students visually 2. Interactive teaching methods: Conducting practical exercises with students

*Making models: Ask students to model molecules or proteins using play dough or other materials. This not only reinforces knowledge but also develops creativity.

* Educational games: Organize games or quizzes about proteins and their structure.

3. Experiments and labs. Learn by testing and measuring proteins in a lab setting. For example.

*Biochemical reactions: Performing various chemical reactions to detect a protein, such as the biuret test.
*Helicase detection: Laboratory tests to study the modification or effect of a protein.
4. Linking theoretical concepts to practice. When explaining the biological role of protein, talk about its functions in the body, for example:
*Enzymes and metabolism: explain how proteins function in the body, how enzymes work and their role in life processes.
* Immune System: Demonstrate how the immune system works by explaining antibodies and proteins.
5. Problem Solving Techniques: Create tasks for students to solve various situations involving proteins. For example:
* Mutation Analysis: Have students analyze altered forms of a protein and their effects on the body.
* Genetic Information: Explain the genetic basis of a protein and demonstrate mutations and the relationship between genes and proteins [2].
6. Class discussions and group work. Discuss the importance of protein and its use in medicine, biology and other fields. Students can break into groups and share ideas.
7. Engage students in active participation. To engage students in the learning process and encourage them to actively participate.
* Ask questions and create opportunities for students to express their opinions.
* Ask students questions about proteins and their biological roles.
* Thus, the teaching methodology of proteins is aimed not only at conveying scientific knowledge, but also at stimulating creative thinking and curiosity in students.

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