**Lesson Title: Protein Synthesis**

**Unit: 4**

TEKS: 130 (7) (c) 7. c,d

OBJECTIVES

The student shall be able to:

1. Identify the order in which a protein is made.
2. Explain the differences between transcription and translation.
3. Demonstrate comprehension of protein synthesis.

TEACHING MATERIALS, TOOLS, AND EQUIPMENT

PPT: Protein Synthesis

HO: DNA Monster Activity

TEACHING PROCEDURE

|  |  |
| --- | --- |
| Interest Approach/Anticipatory Set | Teacher Notes |
| Use this area as an introduction of what will be done to get the students ready to learn.  Consider some of the following: 1. Link – Review Protein Synthesis. 2. Motivation – DNA Monster Activity on paper | Review Previously discussed Protein SynthesisPop Corn Questions: If students have questions allow peers to answer |

|  |  |
| --- | --- |
| Teaching Plan and Strategy / Presentation of New Material | Teacher Notes |
| Objective 1: Identify the order in which a protein is made Teacher uses ppt. Start at slide 16Objective 2: Explain the differences between transcription and translation Teacher uses ppt.Objective 3: Demonstrate comprehension of protein synthesis | Power point over Protein Synthesis Monster Lab |

ENGAGEMENT

Monster Lab will require the student to use knowledge gained in both days of protein synthesis to create their monster. The student must have an understanding of DNA, RNA, transcription and translation

EVALUATION

Pop Corn Q&A allowing students to ask and answer question. Bring the lesson to a close and review important concepts. Share monster that are created.

ADDITIONAL MATERIALS

College & Career Readiness Standards: II.C.1; II.E.7 (Write in the number/letters already crosswalked for your unit)

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