

Protein Synthesis Foldable

Step One: Fold paper hamburger style. Label the front "Stages of Protein Synthesis"

Step Two: Cut and split the front tab into two. Label the left side "Transcription" and the right "Translation"

Step Three: Open up the left tab and on the top section of the tab draw the process of transcription. After completing the drawing answer the following questions below the drawing.

- a. Where does this process occur?
- b. What enzymes are used in this process?
- c. Describe what is going on in this process.
- d. Describe why this process is essential for making proteins.
- e. What type of RNA is used in this process and what role does it play

Step Four: Open up the right tab and on the top section of the tab draw the picture of translation. After completing the drawing answer the same questions found above underneath the drawing.

Step Five: On the back of the foldable put phrases 1 - 6 in the correct order to describe protein synthesis. Make sure to write out the statement, numbers only will not be accepted.

1. mRNA is produced in the nucleus.
2. Ribosomes move along mRNA.
3. DNA has a code for a specific protein.
4. Protein is produced.
5. tRNA brings amino acids to ribosomes.
6. mRNA moves to ribosomes.

Protein Synthesis Foldable

Step One: Fold paper hamburger style. Label the front "Stages of Protein Synthesis"

Step Two: Cut and split the front tab into two. Label the left side "Transcription" and the right "Translation"

Step Three: Open up the left tab and on the top section of the tab draw the process of transcription. After completing the drawing answer the following questions below the drawing.

- a. Where does this process occur?
- b. What enzymes are used in this process?
- c. Describe what is going on in this process.
- d. Describe why this process is essential for making proteins.
- e. What type of RNA is used in this process and what role does it play

Step Four: Open up the right tab and on the top section of the tab draw the picture of translation. After completing the drawing answer the same questions found above underneath the drawing.

Step Five: On the back of the foldable put phrases 1 - 6 in the correct order to describe protein synthesis. Make sure to write out the statement, numbers only will not be accepted.

1. mRNA is produced in the nucleus.
2. Ribosomes move along mRNA.
3. DNA has a code for a specific protein.
4. Protein is produced.
5. tRNA brings amino acids to ribosomes.
6. mRNA moves to ribosomes.

