

Biological Systems and Decision Making

Student Learning Objectives: CLOs 2, 3, 4, 5, 6

Background/Questions

How does a complex biological system achieve a function or process the inputs? **How does a system achieve a function or process the inputs?**

A. Properties of Transcription

1. Transcription is the first step in the process of gene expression. **Transcription is the first step in the process of gene expression.** It is the process by which the information in a DNA molecule is copied into a complementary RNA molecule. This process is **transcribed** in the nucleus of the cell. The resulting RNA molecule is then **translated** into a protein.

2. The first step in transcription is the binding of RNA polymerase to the DNA double helix. This process is **initiated** by the binding of RNA polymerase to the DNA double helix. The resulting RNA molecule is then **translated** into a protein.

3. In the next step, the RNA polymerase moves along the DNA double helix, synthesizing a complementary RNA molecule. This process is **initiated** by the binding of RNA polymerase to the DNA double helix. The resulting RNA molecule is then **translated** into a protein.

4. The final step in transcription is the release of the RNA molecule. This process is **initiated** by the binding of RNA polymerase to the DNA double helix. The resulting RNA molecule is then **translated** into a protein.

5. Transcription is a complex process that involves the coordination of many different factors. This process is **initiated** by the binding of RNA polymerase to the DNA double helix. The resulting RNA molecule is then **translated** into a protein.

B. Classification and Properties of Transcription

1. In the next step, the RNA polymerase moves along the DNA double helix, synthesizing a complementary RNA molecule. This process is **initiated** by the binding of RNA polymerase to the DNA double helix. The resulting RNA molecule is then **translated** into a protein.

2. The final step in transcription is the release of the RNA molecule. This process is **initiated** by the binding of RNA polymerase to the DNA double helix. The resulting RNA molecule is then **translated** into a protein.

Guided Reading Activity 3 Economic Choices Decision Making

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Guided Reading Activity 3 Economic Choices Decision Making:

The Enigmatic Realm of **Guided Reading Activity 3 Economic Choices Decision Making**: Unleashing the Language is Inner Magic

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