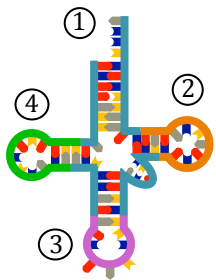


7.3 Translation

Translation Components

Identify the following sites on a tRNA molecule and describe their function



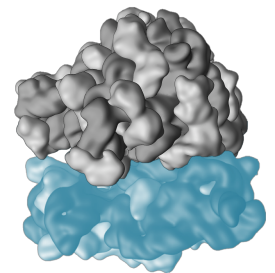
- 1.
- 2.
- 3.
- 4.

Describe the process by which amino acids are attached to tRNA molecules

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Outline the structure of ribosomes

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Differentiate between the following types of ribosomes

Prokaryotic vs Eukaryotic:

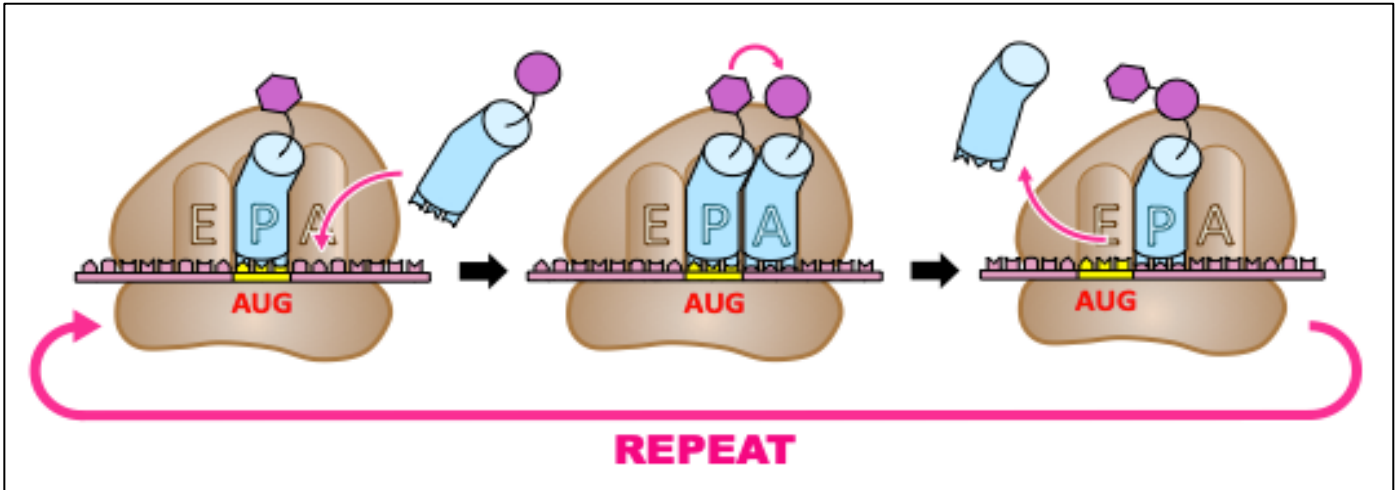
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Bound (ER) vs Free (Cytosolic):

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Translation Process

Explain, with the aid of the following diagram, the process of translation



Initiation:

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Elongation:

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Translocation:

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Termination:

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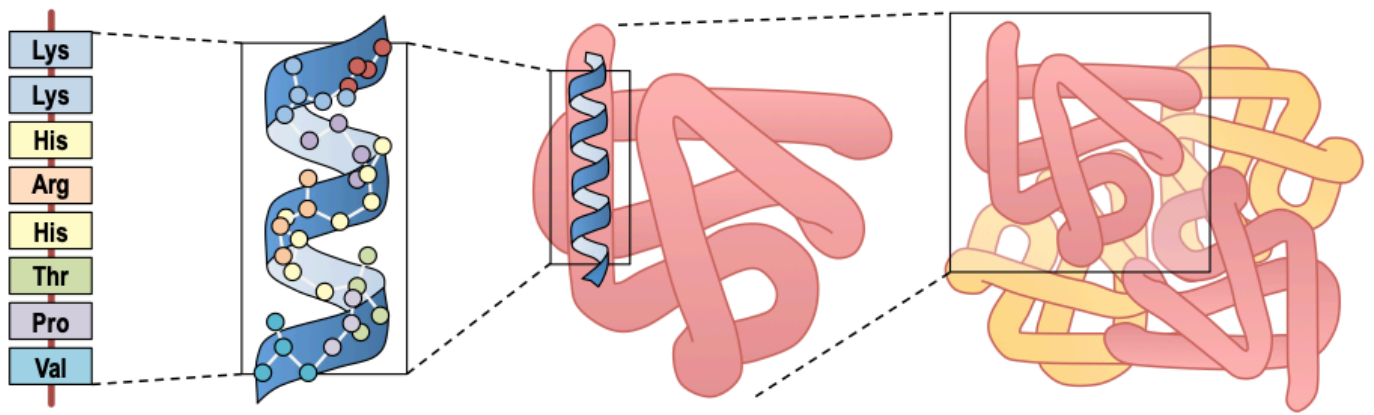
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Define polysome

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Protein Structure

Explain, with the aid of the diagram, the levels of protein structure and indicate their significance



Primary Structure:

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Secondary Structure:

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Tertiary Structure:

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Quaternary Structure:

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