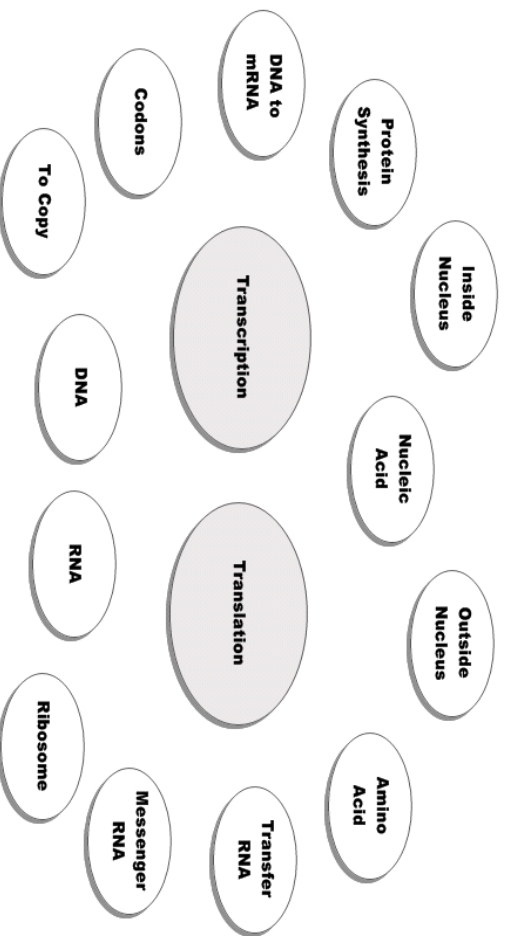


Transcription and Translation Color-Coded Double Bubble

Directions: Select three markers or colored pencils. Connect terms only related to transcription with lines in one color (such as red). Connect terms only related to translation with lines in another color (such as blue). Connect terms in common with both transcription and translation with a third color (such as purple).



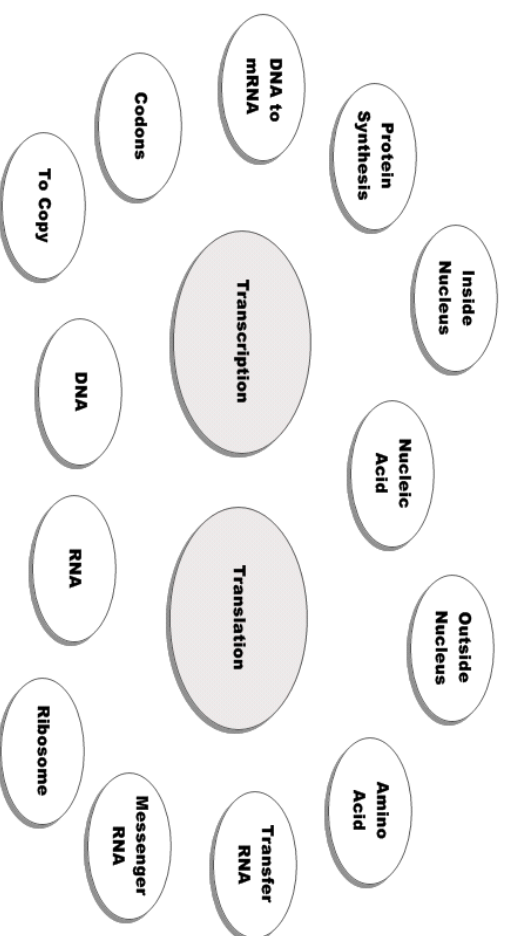
Sentence Frames:

Protein synthesis occurs when the processes of _____ and _____ take place inside the cell. The process of _____ occurs inside the _____ of the cell and uses _____ to copy _____ to mRNA. After DNA is transcribed it travels _____ the _____ where _____ begins.

Groups of three mRNA bases called _____ are read and the correct _____ is put down by _____. When completed, all the _____ are put together to make a _____ and the process of protein synthesis is completed.

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Protein Synthesis	Transcription	Translation
Question 1: Which nucleic acids are involved (DNA, mRNA, tRNA) in this process?		
Question 2: Where in the cell does this process take place? List any organelles involved.		
Question 3: What is the end product of this process?		

Open Sentence Frames:

The process of transcription is similar to translation because

The process of transcription is different from translation because

Together the processes of transcription and translation result in

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