

Vocabulary Selection and Teaching Plan

The text I selected: [Protein Synthesis Libre Texts Biology](#)

Instructional goal of a lesson in which I would use this text:

Virginia SOL Standard Bio.2: d) protein synthesis is the process of forming proteins which influences inheritance and evolution

Students will be able to understand the importance of proteins to our lives and how they are made in protein synthesis.

Word or concept	Word Level	Purpose/learning task—What, specifically, do I want my students to know about the word/concept?	Strategy or approach for teaching the word	Before	During	After
Protein Synthesis	1	Protein synthesis is the process in the cell that describes how a protein is built.	Defining and contextualizing the terms	X		
DNA	2	DNA is an instruction manual. It contains the info to build a protein.	Helping Students actively process the terms: Build models to understand what DNA is.		X	
RNA	3	There are three types of RNA and they are all involved in protein synthesis.	Helping Students actively process the terms: Build models and use diagrams to have students understand the different			X

			kinds of RNA.			
Amino Acids	2	Amino acids are the building blocks of proteins.	Helping Students actively process the terms: Have students transcribe Codons to get a specific amino acid.		X	
Protein	2	It is a macromolecule that is essential for life.	Helping Students actively process the terms: Once students have a specific amino acid, they put them together to form their own protein.		X	
Transcription	3	Step 1 of protein synthesis. DNA is copied in this step.	Helping Students actively process the terms: Using diagrams and models to assist students in learning this process.			X
Translation	3	Step 2 of protein synthesis. The	Helping Students actively			

		copy is translated into a protein.	process the terms: Using diagrams and models to assist students in learning this process.			X

NOTE: Please list level 4 words, but do not complete the rest of the information for those words since there is no need to teach level 4 words.