Honors Biology Name:

*Transcription and Translation Video*

What does RNA Polymerase do?

Where does translation occur?

Where does transcription occur?

What is a gene?

What is the Central Dogma of Biology and who created it?

How is DNA like a recipe (cookbook)?

How does DNA make you?

What happens during the Initiation step of transcription?

What kind of RNA holds Amino Acids?

Three letters in a row on a strand of DNA is called a codon. What does a codon “code” for?

What is a ribosome?

What is an intron?

What happens during the Termination step of transcription?

What happens during the Elongation step of transcription?

If the DNA strand had a sequence of ATGTCATAGCCGTTA, what would the correct sequence for the mRNA be?

Using the cookbook analogy from the video, what functions as the chef? Why?

What is a stop sequence and where is it found?

If three letters in a row on a strand of DNA are called a codon, what is an anticodon?