Name:									



Taco Protein Synthesis Activity

HS-LS1-1 (____ points)



I <u>can</u> statements for the HS-LS1-1 Unit:

- I can **model** the structure of DNA and **describe** the importance of it within our cells.
- I can **construct an explanation** of how genes code for proteins.

Directions: In this activity you will use your knowledge of protein synthesis to decode a DNA strand to find out what type of taco you will build.

1. Complete the chart below using your codon wheel and what you have learned about protein synthesis.

DNA	RNA	Amino Acid
ccc		Glycine
CGT	GCA	
AAA	UUU	
TTT		
CCA		Glycine
TAA		Isoleucine
		Tryptophan
		Methionine

- 2. What would make up your DREAM taco?
- 3. There are several ways to produce the amino acids that build a protein. What does this mean?

	r example, if you	ı draw a hard shell it
of paper (use col	of paper (use color). Attach this piece	have completed your table, draw a picture of your tace of paper (use color). Attach this piece of paper to this lare you label each part of your taco. For example, if your day AUG (see key).

		Amino Acid	mRNA	DNA
ese ingredients	ovo mDNA -			
JG-Hardshell AA-Chicken GG-Beef AG-Cheese GA-Jalapenos CC-Lettuce AU-Sour Cream GU-Olives CC-Tomatoes JA-Extra Cheese				

Name: