

Name_____

Date_____

Chapter 10 Reading Guide: How Proteins are Made
Pages 208-220

Pages 211-214

1. What is a codon?

2. Look at Figure 4 and read the information about the chart. What codons stand for lysine? What does GAG code for?

3. Define these key terms in your own words: Transfer RNA, anticodon, ribosomal RNA.

4. What will the starting amino acid always be?

5. Read the descriptions and study Figure 5 on pages 212-213. Summarize the 7 steps of translation in your own words. Drawing a picture may be helpful.

Step 1:

Step 2:

Step 3:

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Step 4:

Step 5:

Step 6:

Step 7:

6. What is the advantage to being able to begin making additional copies of proteins while translation is taking place elsewhere on the mRNA strand?