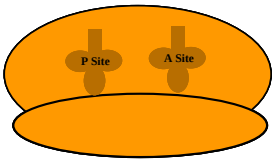
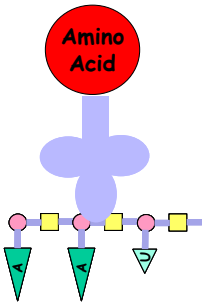
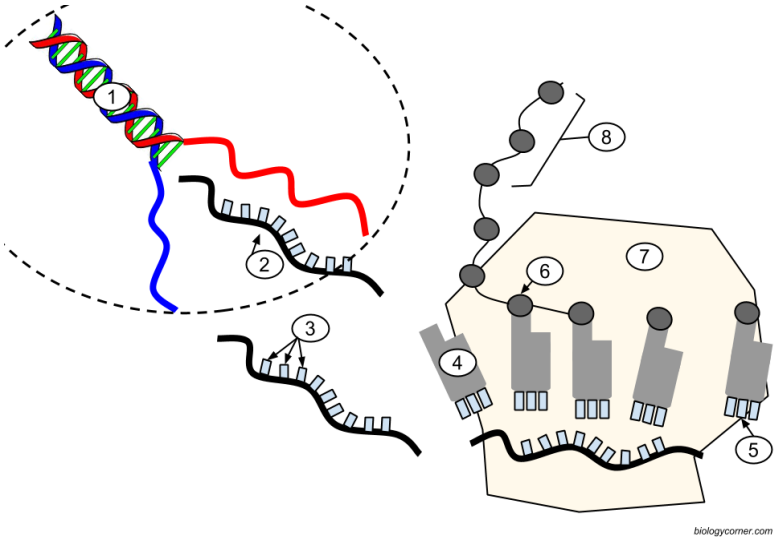
Name: _____ Date: _____ Period: _____

Protein Synthesis – TRANSLATION

1. Why is mRNA in the cytoplasm?
2. What is the ribosome made of?
3. What is the role of the ribosome?
4. What does the mRNA do?
5. What does tRNA bring to the ribosome?
6. What does a chain of amino acids make?
7. What is a codon?
8. What does a codon code for?
9. Where is the amino acid located on the tRNA?
10. What is located at the bottom of a tRNA?
11. What does the anticodon on tRNA pair up with?
12. When another tRNA attaches to mRNA what happens to the amino acid on the original tRNA?
13. What type of bond holds these amino acids together?
14. What happens to the finished protein?
15. Where does the Endoplasmic Reticulum transports the protein?
16. What does the Golgi do with the proteins?
17. What structure is used to carry the proteins away from the Golgi?







18. Now use the codon chart to find the names of the amino acids the following mRNA will code for?

AUG CUA AGC CGG AGG UAA