**Name: Period: Date:**

**Focus Questions for Chapter 5.4 (Macromolecules: Protein Function) due Friday, 10/25**

# Questions to answer as you watch the videos and/or read about the structure and function of proteins. You will not be asked to turn these in, but Ms. Ransom may check to make sure you have completed them through a clicker quiz or short written response. You should be ready to discuss the answers during class.

1. What is a catalyst? What type of protein can be classified as a catalyst?
2. What is the difference between a protein and a polypeptide? (Use scientific vocabulary for protein structure if you can!)
3. List the major functions of proteins and give an example of each.
4. Draw the general structure of the building block of proteins. What is this structure called?
5. List the three categories of amino acids as determined by their chemical properties, and explain what these properties are.
6. What type of bond forms proteins? Describe how this bond occurs and what is released during the process.
7. What is the difference between a *globular* and a *fibrous* protein?
8. Explain why the structure of a protein is so important to its function. Give an example.

**Questions I have, that I plan to ask about in class:**