NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PROTEINS REVIEW WORKSHEET

1. Proteins are polymers of:
2. Draw the general form of an amino acid
3. On your drawing, label the 4 parts of an amino acid
4. How many amino acids are there? How many does the body use? How many of these can the body NOT synthesize?
5. Draw the reaction between two amino acids forming a dipeptide.
6. In the drawing for #5, label the new bond formed
7. What type of reaction is #5?
8. How many amino acids joined together form a protein?
9. What elements are present in ALL proteins?
10. There are 8 main types of proteins. Name 4.
11. What are the main functions of proteins?
12. What are the functions and properties of proteins determined by?
13. Describe the 4 levels of protein structure
14. What are enzymes?
15. How do enzymes work?
16. How does temperature affect enzyme function?
17. Why is pH important to enzyme function?
18. Why are proteins important?
19. Describe what the term denature means and give an example.