**Protein and Enzyme Review**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ per.\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What elements compose proteins?

2. What monomers compose proteins?

3. What are 4 functions of proteins?

a.

b.

c.

d.

Match the protein with its function.

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| \_\_\_\_\_\_4. Transport | a. reduce activation energy required for a chemical reaction |
| \_\_\_\_\_\_5. Antibodies | b. muscle movement and contraction |
| \_\_\_\_\_\_6. Contractile | c. fibrous proteins that provide support |
| \_\_\_\_\_\_7. Hormones | d. molecule movement |
| \_\_\_\_\_\_8. Enzymes | e. regulate body activities |
| \_\_\_\_\_\_9. Structural | f. defend against antigens |

10. What transport protein is important for binding oxygen to red blood cells and transporting it throughout the body?

11. What hormone is important for brining blood sugar (glucose) levels back to normal after eating?

12. What occurs at the active site? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13. Describe enzyme specificity. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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14. Name two factors that affect enzymes.

15. Label active site, substrate, products, enzyme, enzyme-substrate complex on the diagram below:

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