

Biomolecule Review Sheet

1. What are the four biomolecules in all of life?

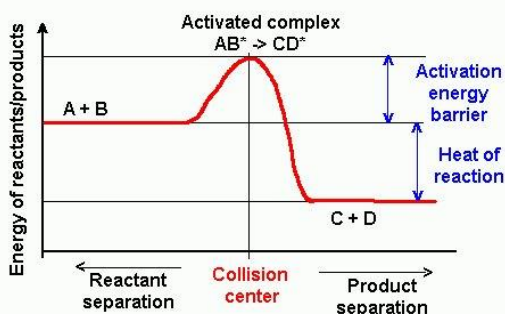
2. Provide an example for each biomolecule.

3. Explain the purpose of each biomolecule within living things.

4. Give the monomers for each of the 4 biomolecules and draw their structure. You can find the information on p)44-47.
 1. _____
 2. _____
 3. _____
 4. _____
5. Give an example of a chemical reaction. Make sure you identify the reactants, the products, and the activation energy needed to get the reaction from the reactants to the products.

6. What is a catalyst and give an example.

7. Explain the role of enzyme, give an example, and draw and label the parts to an enzyme –substrate reaction. (include the following terms: enzyme, substrate, product, active site)



8. Is the above diagram an exothermic or an endothermic reaction? Explain.
9. In a biological enzyme-substrate reaction is it more likely for it endothermic or exothermic; explain.
10. What role do enzymes play during digestion?

Greek and Latin (list and define all for this section):