Name _____ Date _____

THERMODYNAMIC QUIZ

Period _____

1. __activation__ The amount of energy that reactants must absorb
   Before a chemical reaction will start
2. __active site__ The specific portion of an enzyme that attaches to the
   Substrate by means of weak hydrogen bonds
3. __Gibbs ___ G, which is free energy, stands for ….?

4. __Entropy____ The measure of disorder or randomness
   Usually associated with heat.
5. __denature __ The process of breaking down a protein is
   As ….
6. __Endergonic__ What type of reaction will absorb energy?

7. __Exergonic __ What type of chemical reaction will have a -G?

8. __Enzymes _ What is the name for a group of molecules that
   Increase the rate of a chemical reaction?
9. Non-Competitive_ What type of inhibitor would attach at an allosteric site?
10. __Enzyme___ What material is needed to lower the activation energy
    Of a reaction in order for it to proceed?

Bonus:

List three ways a chemical reaction can increase in rate:

1. Mechanically (stir)
2. Heat (without catalysts)
3. Use of Catalysis (increase concentration of catalysis will also work)
4. Increase concentration of substrates

Name _____ Date _____

THERMODYNAMIC QUIZ

Period _____

1. _____ The amount of energy that reactants must absorb Before a chemical reaction will start
2. _____ The specific portion of an enzyme that attaches to the Substrate by means of weak hydrogen bonds
3. _____ G, which is free energy, stands for ….?
4. _____ The measure of disorder or randomness Usually associated with heat.
5. _____ The process of breaking down a protein is As ….
6. _____ What type of reaction will absorb energy?
7. _____ What type of chemical reaction will have a -G?
8. _____ What is the name for a group of molecules that Increase the rate of a chemical reaction?
9. _____ What type of inhibitor would attach at an allosteric site?
10. _____ What material is needed to lower the activation energy Of a reaction in order for it to proceed?

Bonus:

List three ways a chemical reaction can increase in rate:

1. _____
2. _____
3. _____