

CHAPTER 6.1—6.2: Energy and ATP

1. Define the following terms:

a. Catabolic pathway _____

b. Anabolic pathway _____

c. Kinetic energy _____

d. Potential energy _____

2. The First Law of Thermodynamics is the principle of... _____

3. The Second Law of Thermodynamics involves changes in... _____

4. What is meant by a change in free energy? _____

5. Compare reactions that are...

a. Exergonic _____

b. Endergonic _____

6. Sketch the ATP cycle:

Name: _____

Note Set 14

7. How does ATP store energy? _____

8. How does ATP "couple reactions"? _____

9. Sketch the 'profiles' of exergonic and endergonic reactions: