**Biology for Health Sciences**

**Chapter 6 Worksheet Name:**

1. Why does biology need order?
2. In order to maintain order, cells need a constant input of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. What are anabolic reactions?
4. Are anabolic reactions endergonic or exergonic? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What are catabolic reactions?
6. Are catabolic reactions endergonic or exergonic? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. What is metabolism?
8. What is potential energy?
9. What is kinetic energy?
10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy is the energy needed for a reaction to get started. This energy can be lowered by use of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
11. Label:



1. Why is feedback inhibition important?
2. What is the 1st law of Thermodynamics?
3. What is the 2nd law of Thermodynamics? (these are physics laws)
4. The ultimate source of energy for the planet is the \_\_\_\_\_\_\_.
5. What is ATP?
6. In a REDOX reaction, what does it mean to be reduced?
7. In a REDOX reaction, what does it mean to be oxidized?