**ATP Review Summarization**

1. What are the two sources of energy?

2. What provides the ultimate source of energy for all life on Earth?

3. What type of organism uses energy from the Sun to make its own food? Give an example of this type of organism.

4. What type of organism uses energy from consuming other organisms? Give an example of this type of organism.

5. What organelle is responsible for providing energy for the cell?

6. What is the energy molecule that the cell uses?

7. What does ATP stand for? Draw a picture and label the components of ATP.

8. What does ADP stand for? Draw a picture and label the components of ADP.

9. What is the structural difference between ADP and ATP?

10. Which molecules are contained in both ATP and ADP?

11. Why is so much energy stored in ATP?

12. In which molecule, ADP or ATP, is more energy stored? Where is the energy stored?

13. Explain how ATP can be compared to a battery.

14. Draw a picture and describe what happens in the process of converting ADP to ATP.

15. Draw a picture and describe what happens in the process of converting ATP to ADP.

16. What are three ways that cells use energy released from the breakdown of ATP?