

Learning Objective: I can describe the role of energy in living organisms.

**AP Bio Topic 3.4 Cellular Energy Video Notes**

1. Energy input is \_\_\_\_\_ than energy output. Life needs a \_\_\_\_\_

2. Energy is converted \_\_\_\_\_

3. What does it mean that life does not violate Laws of thermodynamics? \_\_\_\_\_

4. Energy can't be \_\_\_\_\_

5. The energy from one reaction may \_\_\_\_\_

6. Exergonic reaction - \_\_\_\_\_

7. Endergonic reaction - \_\_\_\_\_

- Endergonic requires \_\_\_\_\_, Exergonic releases \_\_\_\_\_

A \_\_\_\_\_ ➤ B \_\_\_\_\_ ➤ C \_\_\_\_\_ ➤ D

8. Explain what is occurring in the following illustration above.

9. Energy coupling - \_\_\_\_\_

10. Pathways are sequenced for more \_\_\_\_\_

11. The product of one reaction \_\_\_\_\_

Created By: Chivas & Jordan Spivey