**How do Organisms Obtain Energy?**



Across

2. Metabolic pathway that releases energy by breaking down molecules

4. Sugar in ATP

8. Organism that must eat other organisms to get its energy

10. The sum of all the chemical reactions in a cell

11. Nitrogen Base in ATP

13. The ability to do work

14. Abbreviation for the molecule that stores energy

15. Where the energy is stored in ATP

16. \_\_\_\_\_\_\_\_of Thermodynamics energy cannot be converted without loss of usable energy

Down

1. Number of phosphate groups in ATP

3. Metabolic pathway that uses energy to store in building molecules

5. Organism that uses chemicals to produce its energy

6. Organism that uses light to produce its energy

7. Anabolic pathway

9. Catabolic pathway

12. \_\_\_\_\_\_\_\_\_of Thermodynamics energy can be converted from one form to another but cannot be created or destroyed