

# Energy Transfer

1. plants use the sunlight energy which is converted to chemical energy for use by the cell
  2. light independent reactions during phase two of photosynthesis in which energy is stored in organic molecules as glucose
  3. model that shows many interconnected food chains and pathways in which energy and matter flow through an ecosystem
  4. basic unit of structure and organization of all living organisms
  5. process in living organisms involving the production of energy
  6. (also known as Krebs cycle)
  7. process that doesn't require oxygen
  8. process that requires oxygen
  9. the series of biochemical reactions in photosynthesis that require light energy
  10. process that doesn't need light energy (dark reactions)
  11. CO<sub>2</sub>
  12. H<sub>2</sub>O
  13. O<sub>2</sub>
  14. C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>
  15. ATP
  16. simplified model that shows a single path for energy flow through an ecosystem
  17. a person who eats plants or meat
  18. Adenosine diphosphate
  19. autotrophic organism, uses photosynthesis
  20. series of complexes that transfer electrons
- A. carbon dioxide
  - B. light dependent
  - C. food web
  - D. ADP
  - E. consumer
  - F. cell
  - G. electron transport
  - H. glucose
  - I. food chain
  - J. oxygen
  - K. energy
  - L. water
  - M. anaerobic
  - N. aerobic
  - O. citric acid cycle
  - P. Calvin Cycle
  - Q. photosynthesis
  - R. respiration
  - S. light independent
  - T. producer