

### Unit 3: Energy Vocab

Answer	Term	Definition
	1. Food web	A. The reactant in reactions catalyzed by enzymes
	2. Food chain	B. A green pigment that gives plants their green color and absorbs light for photosynthesis
	3. Producers	C. The pathway of energy transfer through various food chains as a result of the feeding patterns of a series of organisms
	4. Consumers	D. A molecule, usually protein, that acts as a catalyst in biochemical reactions
	5. Decomposers	E. The process by which plants, algae, and some bacteria use sunlight, carbon dioxide and water to produce carbohydrates
	6. Energy Pyramid	F. An organism that feeds by breaking down organic matter from dead organisms
	7. Trophic Level	G. A linear feeding relationships between organisms in an ecosystem
	8. ATP	H. An organisms position in a food chain or food web
	9. Enzyme	I. The minimum amount of energy required to start a chemical reaction
	10. Substrate	J. An organism that eats other organisms or organic matter instead of producing its own nutrients
	11. Active Site	K. The process by which cells produce energy(ATP) from carbohydrates
	12. Activation Energy	L. Adenosine triphosphate, an organic molecule that acts as the main energy source for cell processes
	13. Endosymbiotic Theory	M. A triangular diagram that shows an ecosystems loss of energy, as energy passes though each trophic level
	14. Photosynthesis	N. The movement of carbon from the nonliving environment into living things and back
	15. Chlorophyll	O. An organism that makes its own food
	16. Cellular Respiration	P. The site where a substrate attaches to an enzyme
	17. Carbon Cycle	Q. A theory that some cell organelles are descended from prokaryotic cells that came to live within other cells during early evolutionary history