

# Ecology Study Guide

## Energy Flow and Ecosystems

How do organisms in an ecosystem gain energy?

Autotrophs	Primary Consumers	Secondary Consumers	Tertiary Consumers
Producers	Herbivores	Carnivores	Omnivores
Plants	Consumers	Prey	Predators

1. All energy originates at producers (autotrophs) as light energy.
2. Autotrophs, which capture energy from the sun, are producers.
3. The amount of energy that flows through an ecosystem is limited.
4. Energy is passed from one organism to another as food energy.
5. The pathway of energy flow through an ecosystem is unidirectional.
6. Energy is lost as heat at every step in the food chain.
7. Energy is lost as heat at every step in the food chain.
8. Energy is lost as heat at every step in the food chain.
9. Energy is lost as heat at every step in the food chain.
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15. Energy is lost as heat at every step in the food chain.



16. How do organisms in an ecosystem gain energy? <u>Autotrophs (Producers)</u>		17. How do organisms in an ecosystem gain energy? <u>Autotrophs (Producers)</u>
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18. Energy is lost as heat at every step in the food chain.
19. Energy is lost as heat at every step in the food chain.
20. Energy is lost as heat at every step in the food chain.

# Chapter 54 Community Ecology Study Guide Answers

**Jianjun Gao**



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