

Ecology Study Guide

Energy Flow and Trophic Levels

How do organisms in an ecosystem gain energy?

- Autotrophs: plants, algae, cyanobacteria
- Producers: autotrophs
- Consumers: heterotrophs
- Decomposers: detritivores



1. All trophic levels are dependent on autotrophs for energy.
2. Energy flows from autotrophs to primary consumers, then to secondary consumers, and finally to tertiary consumers.
3. Energy is lost at each trophic level due to metabolic processes and heat loss.
4. Energy is lost as heat during metabolic processes.
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<p>16. Energy is lost as heat during metabolic processes.</p>		<p>17. Energy is lost as heat during metabolic processes.</p>
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18. Energy is lost as heat during metabolic processes.
19. Energy is lost as heat during metabolic processes.
20. Energy is lost as heat during metabolic processes.

Chapter 54 Community Ecology Study Guide Answers

Michael Hoelscher



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A Guide to Asking about Life for Teachers and TAs Donald L. Cronkite, 2001 **Timber Sale Planning and Analysis System** Bret W. Butler, Caryl L. Elzinga, David W. Holland, Mary L. Meacham, 1997 **Book Review Digest**, 1978 Excerpts from and citations to reviews of more than 8 000 books each year drawn from coverage of 109 publications Book Review

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Publisher **Im/Tb-Sustain the Earth** Miller, 2004-11 **Environmental Science** William P. Cunningham, Barbara Woodworth Saigo, 1999. Introducing students to environmental science without any prerequisites, this text has a strong global emphasis and recognizes that the world is a unified biosphere that doesn't adhere to artificial political boundaries. Topics covered include the Greenhouse Effect, the Clean Air Act, and El Niño.

Bibliography of Agriculture with Subject Index, 1988-10 **Book Review Index - 2009 Cumulation** Dana Ferguson, 2009-08. Book Review Index provides quick access to reviews of books, periodicals, books on tape, and electronic media, representing a wide range of popular, academic, and professional interests. The up-to-date coverage, wide scope, and inclusion of citations for both newly published and older materials make Book Review Index an exceptionally useful reference tool. More than 600 publications are indexed, including journals and national general interest publications and newspapers. Book Review Index is available in a three-issue subscription covering the current year or as an annual cumulation covering the past year.

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