

# Ecology Study Guide

## Energy Flow and Ecosystem Ecology

How do organisms in an ecosystem gain energy and matter?

Energy Flow	Energy Source	Energy Conversion	Energy Storage
Producers	Photosynthesis	Consumption	Respiration
Autotrophs	Chlorophyll	Herbivores	Detritivores



1. All ecological processes are dependent on the flow of energy.
2. Matter is recycled, while energy flows through ecosystems from producers.
3. The amount of energy that flows through an ecosystem is determined by the amount of photosynthesis.
4. Energy is stored in the chemical bonds of molecules and is transferred to consumers.
5. The amount of energy that flows through an ecosystem is determined by the amount of photosynthesis.
6. Producers convert solar energy into chemical energy through photosynthesis.
7. Consumers obtain energy by eating producers or other consumers.
8. Decomposers break down dead organic matter into inorganic nutrients.
9. The amount of energy that flows through an ecosystem is determined by the amount of photosynthesis.
10. Energy flows through an ecosystem from producers to consumers.



<p>11. <u>Energy</u> flows through an ecosystem from <u>producers</u> to <u>consumers</u>.</p>		<p>12. <u>Energy</u> flows through an ecosystem from <u>producers</u> to <u>consumers</u>.</p>
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13. Energy flows through an ecosystem from producers to consumers.
14. Energy flows through an ecosystem from producers to consumers.
15. Energy flows through an ecosystem from producers to consumers.

# Biology Ecology Unit Study Guide Answer Key

**Mark Steyvers**



## **Biology Ecology Unit Study Guide Answer Key:**

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