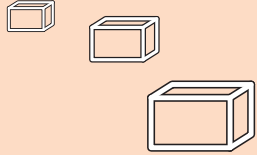


From Molecules to Organisms:  
Structures and Processes

## Structure and Function

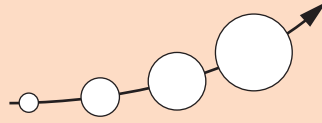


*How do the structures of organisms enable life's functions?*

CORE IDEA

From Molecules to Organisms:  
Structures and Processes

## Growth and Development of Organisms

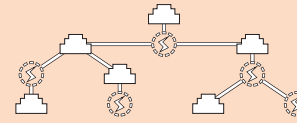


*How do organisms grow and develop?*

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From Molecules to Organisms:  
Structures and Processes

## Organization for Matter and Flow in Organisms

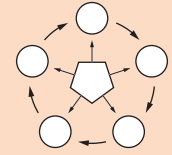


*How do organisms obtain and use the matter and energy they need to live and grow?*

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From Molecules to Organisms:  
Structures and Processes

## Information Processing

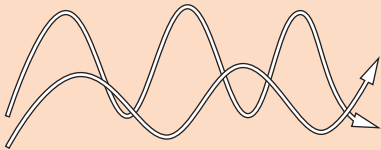


*How do organisms detect, process, and use information about the environment?*

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Ecosystems: Interactions, Energy, and Dynamics

## Interdependent Relationships in Ecosystems

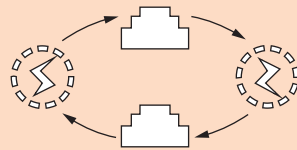


*How and why do organisms interact with their environment, and what are the effects of these interactions?*

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Ecosystems: Interactions, Energy, and Dynamics

## Cycles of Matter and Energy Transfer in Ecosystems

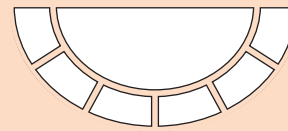


*How do matter and energy move through an ecosystem?*

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Ecosystems: Interactions, Energy, and Dynamics

## Ecosystem Dynamics, Functioning, and Resilience

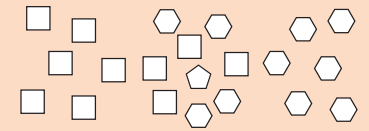


*What happens to ecosystems when the environment changes?*

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Ecosystems: Interactions, Energy, and Dynamics

## Social Interactions and Group Behavior



*How do organisms interact in groups so as to benefit individuals?*

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Heredity: Inheritance and Variation of Traits

Heredity: Inheritance and Variation of Traits

Biological Evolution: Unity and Diversity

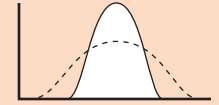
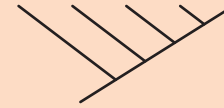
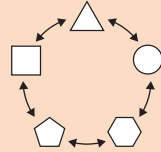
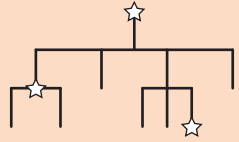
Biological Evolution: Unity and Diversity

### Inheritance of Traits

### Variation of Traits

### Evidence of Common Ancestry and Diversity

### Natural Selection



*How are the characteristics of one generation related to those of the previous generation?*

*Why do individuals of the same species vary in how they look, function, and behave?*

*What evidence shows that different species are related?*

*How does genetic variation among organisms affect survival and reproduction?*

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CORE IDEA

CORE IDEA

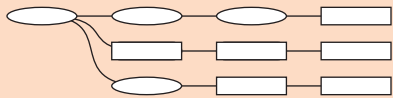
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Biological Evolution: Unity and Diversity

Biological Evolution: Unity and Diversity

### Adaptation

### Biodiversity and Humans



*How does the environment influence populations of organisms over multiple generations?*

*What is biodiversity, how do humans affect it, and how does it affect humans?*

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