

# Evolution

## Section 2 Evidence of Evolution

**Main Idea** \_\_\_\_\_

**Details** \_\_\_\_\_

**Scan** Section 2 of the chapter. List the lines of evidence that support Darwin's theory of evolution by natural selection.

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**Review Vocabulary**

Use your book or dictionary to define fossil.

*fossil*

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**New Vocabulary**

Use your book or dictionary to define the following terms.

*derived trait*

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*ancestral trait*

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*homologous structures*

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*vestigial structure*

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*analogous structures*

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*embryo*

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*biogeography*

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*fitness*

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*camouflage*

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*mimicry*

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**Section 2 Evidence of Evolution** (continued)

**Main Idea** \_\_\_\_\_

**Details** \_\_\_\_\_

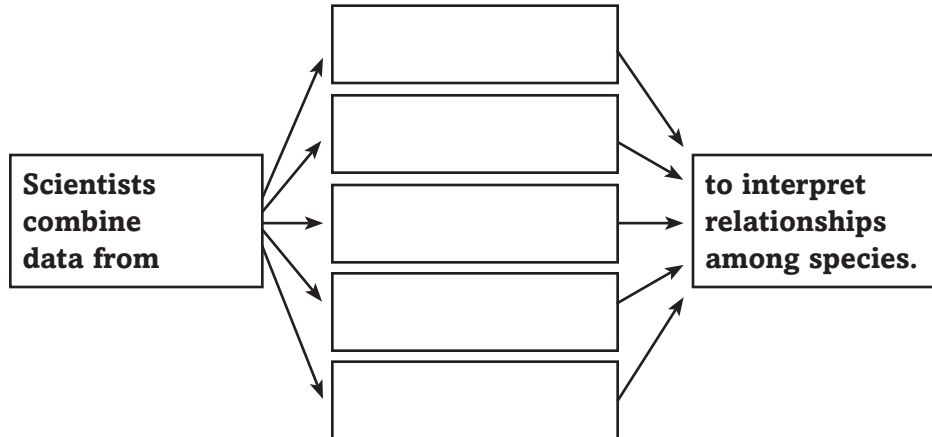
**Support for Evolution**

*I found this information on page \_\_\_\_\_.*

**Summarize** the role that anatomy plays in teaching us about evolution by completing the table below.

Structure	What is it?	Example
Homologous structure		
Analogous structure		
Vestigial structure		
Embryo		

**Identify** ways scientists interpret relationships among species by completing the organizer below.



**Section 2 Evidence of Evolution** (continued)

**Main Idea** \_\_\_\_\_

**Details** \_\_\_\_\_

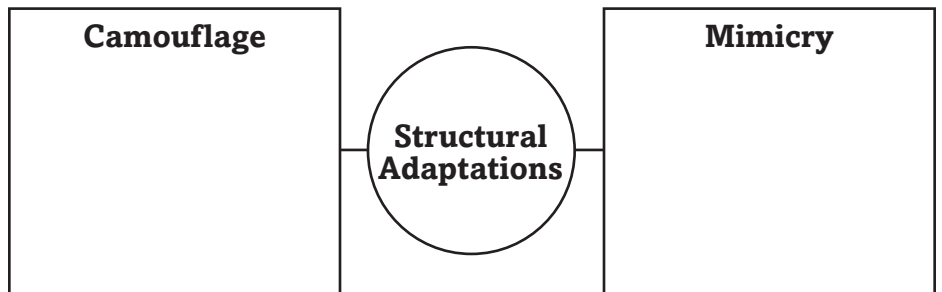
**Adaptation**

*I found this information on page \_\_\_\_\_.*

**Compare** *similarities and differences between adaptations and non-adaptations by writing yes or no in the table. Then give an example of an adaptation and a non-adaptation.*

Characteristics	Adaptations	Non-Adaptations
inherited traits		
increase survival or reproduction		
by-product arising from other evolutionary changes		
Example:		

**Apply** *Give examples of how animals use camouflage and mimicry in order to protect themselves. Use examples that are not given in your book.*



**Analyze** *how antibiotics can lose their effectiveness over time.*

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**SUMMARIZE**

Explain why fossils are important tools in understanding evolution.

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