

# Evolution

## Before You Read

Use the “What I Know” column to list the things you know about evolution. Then list the questions you have about evolution in the “What I Want to Find Out” column.

K What I Know	W What I Want to Find Out	L What I Learned

### Science Journal

*Life has evolved slowly on Earth. Certain organisms evolved in response to changes in their environment. Describe an adaptation of an organism that you see around you. How has the organism become better suited to its environment as a result of this adaptation?*

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# Evolution

## Section 1 Darwin's Theory of Evolution by Natural Selection

### Main Idea

### Details

**Skim** Section 1 of the chapter. Write three questions that come to mind from reading the headings and illustration captions.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

### Review Vocabulary

Use your book or dictionary to define selective breeding.

*selective breeding*

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### New Vocabulary

Use your book or dictionary to define each term.

*artificial selection*

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*natural selection*

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*evolution*

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Write a short paragraph that uses at least two of the terms above.

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**Section 1 Darwin's Theory of Evolution by Natural Selection** (continued)

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

**Developing the Theory of Natural Selection**

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

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

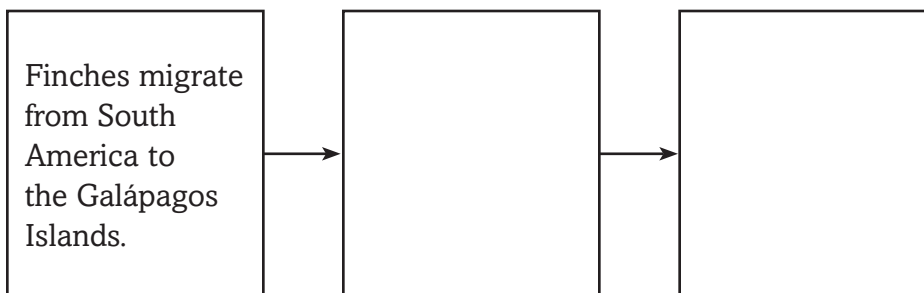
**Summarize** *three observations Darwin made in his research on the South American mainland.*

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**Identify** *three organisms from the Galápagos Islands and their distinguishing characteristics.*

Organism	Variation

**Analyze** *Darwin's hypothesis on the origin of Galápagos finches by filling in the flow chart. The first step has been done for you.*



**Summarize** *three observations that Darwin made in his research with pigeons.*

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**Section 1 Darwin's Theory of Evolution by Natural Selection** (continued)

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

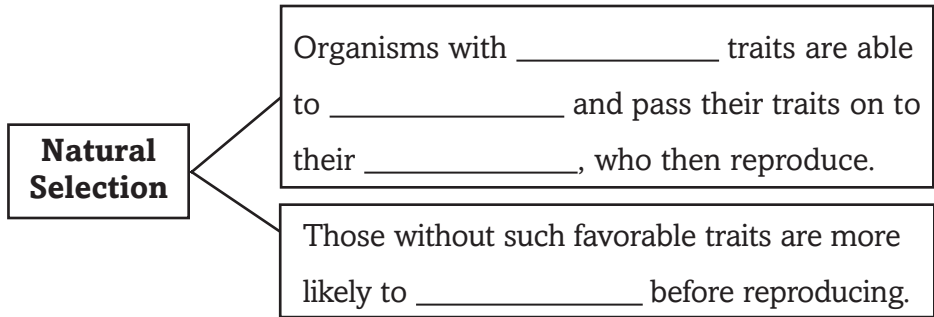
*I found this information on page \_\_\_\_\_.*

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

**Identify the four principles of natural selection.**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

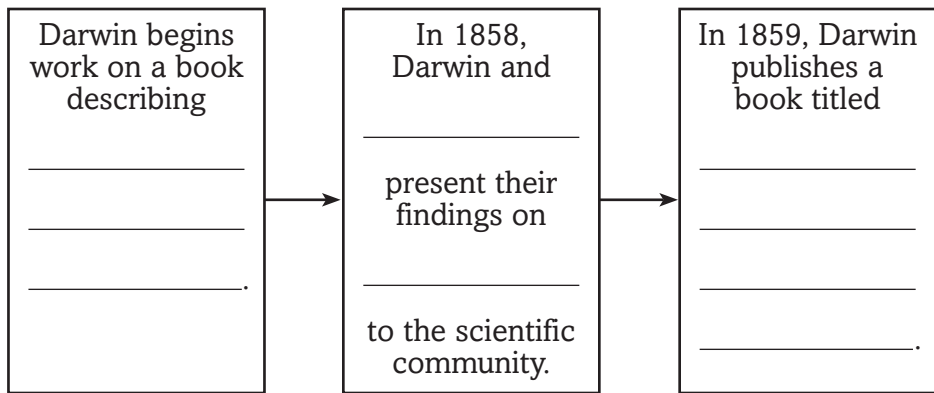
**Summarize natural selection by completing the sentences below.**



**The Origin of Species**

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

**Sequence the events that led to the publication of Darwin's ideas.**



**SUMMARIZE**

Discuss Darwin's different observations that led him to propose the theory of natural selection.

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