

15 Evolution

1 Darwin's Theory of Evolution by Natural Selection

TEKS 2(B), 2(C), 2(D), 3(F), 7(C),
7(D), 7(E)

MAIN IDEA

Write the Main Idea for this lesson.

REVIEW VOCABULARY

selective breeding

Recall the definition of the Review Vocabulary term.

selective breeding

NEW VOCABULARY

artificial selection

natural selection

evolution

Use your book to define each term.

artificial selection

natural selection

evolution

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

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

Student Edition, pp. 418–422
Reading Essentials,
pp. 169–171

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

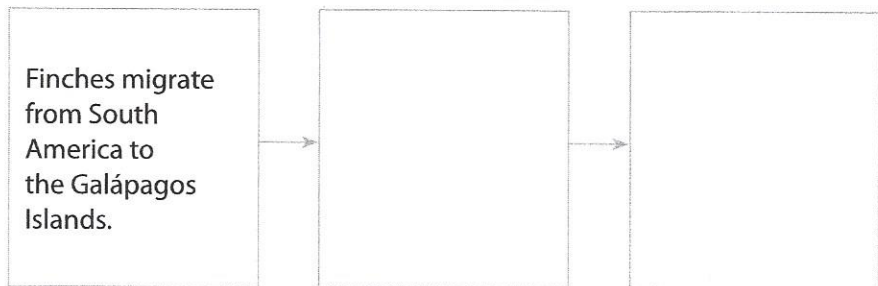
1. _____
2. _____
3. _____

GET IT? **Summarize** some of the experiences or observations that influenced Darwin during his voyage on the Beagle.

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.



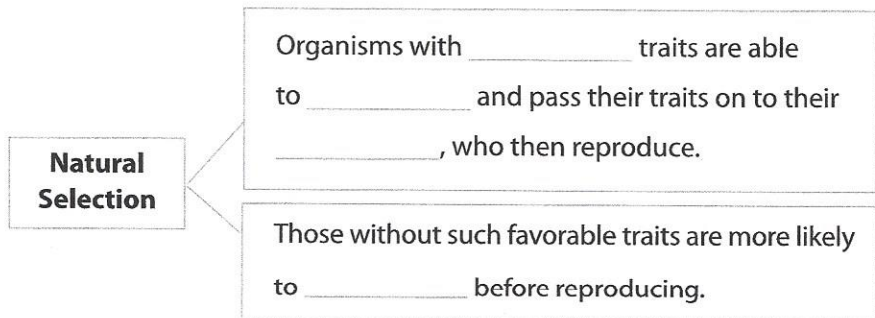
1 Darwin's Theory of Evolution by Natural Selection (continued)

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

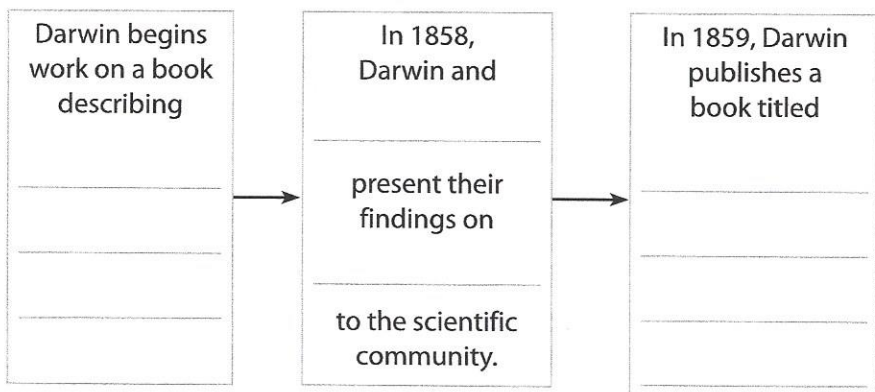
1. _____
2. _____
3. _____

GET IT? Explain the four principles of natural selection.

Summarize natural selection by completing the sentences below.



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



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

REVIEW IT!

1. **MAIN IDEA** Describe the evidence Charles Darwin gathered that led to his theory of evolution.

2. **Explain** how the idea of artificial selection contributed to Darwin's ideas on natural selection.

3. **Identify** the four principles of natural selection and provide examples not used in this section.

4. **Discuss** Wallace's contribution to the theory of evolution by natural selection.

5. **Infer** the consequences for evolution if species did not vary.

6. Write a short story about what it might have been like to visit the Galápagos Islands with Darwin.
