

The Process of Evolution
Chapter:5
Lesson: 1 Natural Selection
Page: 59

1. On the lines below, write a sentence that explains what you know about the process of evolution?

The process of evolution that i know about , is a process that results in changes in the genetic material of a population over time.

Commented [1]: Where is your citation (i.e. where this information can be found in the text)?

2. Describe the location of the Galapagos Islands.

These islands are separated from the mainland of South America by 1000 km

3. Conclude why do you think the tortoise of the galapagos islands varied from island to island?

As stated in paragraph 2, In conclusion many of the tortoise were similar, but not the same. Some came from South America and those animals evolved over time to be different. Page:60

4. Circle the finch whose beak is built for digging its food from between the thorns of a cactus.

I circled the Cactus eating Finch Page:61

Commented [2]: Please provide textual evidence to support your answers for items 4 and 5.

5. Determine what is the expected result from selective breeding?

I chose answer B Specific Breeding Page:61

6. Explain how does a trait become part of a population?

A trait becomesbecome part of a population as stated in paragraph 5, with time, the helpful trait will become common in many populationspopulation of the species. This genetic variation is necessary for evolution to occur. But, survival depends on other factors as well. Page:62

Commented [3]: You still have not explained the process of how the trait becomes a part of a population. Please explain the process. I found this answer on page 62 under the header: Why is genetic variation necessary in evolution?

7. State which organisms have a better chance to survive?

The organisms that have a better chance to survive as stated in paragraph 4, Darwin suggested that those organisms best prepared for living in specific habitats would survive , and be most able to reproduce. Offsprings would also be able to survive any changes to their habitat. With enough time being able to adapt to change could explain the large number of species on earth today. Page: 62

Commented [4]: Very good!

8. Read the four steps of natural selection . Choose one of the steps that you think is most interesting. SummarizeSummarize it on the lines below.

Commented [5]: Please include the four steps in your answer. I want to be sure that you are familiar with them. Then, reword your response so that it reflects the one that you think is most interesting. For example, you mentioned, "I summarized..." Is this the one that you are most interesting in? Your response is not clear.

Variation- Differences, or variations occur among individuals of a species. I summarized that genetic variation is necessary for evolution to occur. But survival depends on other factors as well.

Commented [6]: This is a fragment. Be sure to write in complete sentences.

9. Explain what did Darwin propose that all organisms share?

Darwin propose, I circled C: Common Ancestors Page:63

Commented [7]: Very good response in that you provided textual evidence to support your answer.

All species have changed through time and are related by descent from a common ancestor
Paragraph:8