

**GRADE 12 BIOLOGY
UNIT C - EVOLUTION
THE VOYAGE OF DARWIN**

Name: _____

Date: _____

Section 16.1 Darwin's Voyage of Discovery

Explanations should be full grammatically correct paragraphs.

Introduction

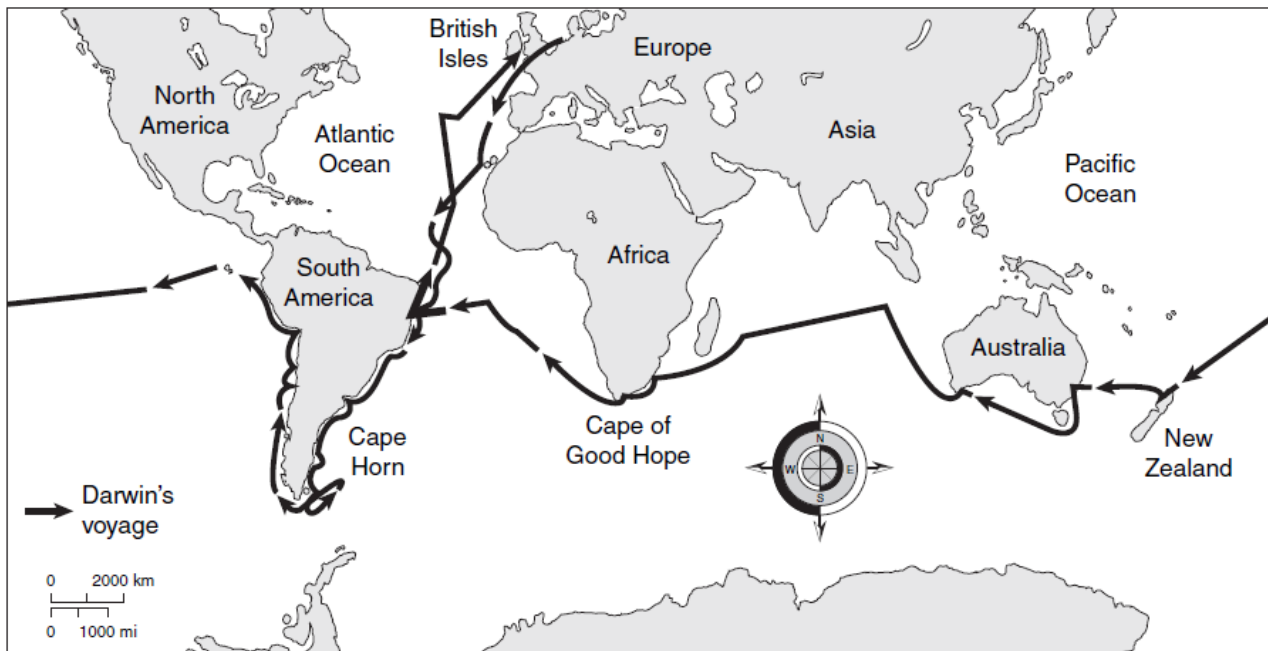
Fill in the blanks:

1. The process by which modern organisms have descended from ancient organisms is called _____
2. A well-supported explanation of phenomena that have occurred in the natural world is a(an) _____.
3. Is the following sentence true or false? In the 19th century Charles Darwin contributed more to our understanding of evolution than anyone else. _____

Voyage of the *Beagle*

4. Circle the letter of **each** sentence that is true about Charles Darwin.
 - a. He was born in 1809.
 - b. He was an English naturalist.
 - c. He was 42 when he began the voyage on the *Beagle*.
 - d. The voyage lasted 5 years and took him around the world.

5. Label the Galápagos Islands on the map below:



6. Is the following sentence true or false? Darwin was looking for a scientific explanation for the diversity of life on Earth. _____

Darwin's Observations

7. Circle the letter of **each** observation that Darwin made.
- An enormous number of species inhabit Earth.
 - Many organisms seem to be poorly suited to their environment.
 - The same sorts of animals are always found in the same ecosystems in different parts of the world.
 - Some species that lived in the past no longer live on Earth
8. The preserved remains of ancient organisms are called: _____
9. **Explain.** As Darwin studied fossils, what new questions arose?

10. Is the following sentence true or false?

Of all the *Beagle's* ports of call, the one that influenced Darwin the most was the Galápagos Islands. _____

11. Circle the letter of **each** choice that is FALSE about the Galápagos Islands.

- a. The islands are far apart.
- b. The smallest, lowest islands are hot and wet.
- c. The higher islands have more rainfall.
- d. All the islands have the same amount of vegetation.

11. **Explain.** How might you explain differences in shell shape of tortoises from Hood Island and Isabela Island?

12. Darwin observed that small brown birds on the Galápagos Islands differed in the shape of their: _____

The Journey Home

13. **Explain.** What did Darwin think about on his journey home to England?

14. **Fill in the blanks.** After he returned to England, Darwin started to consider that there was _____ that species are not fixed and they could change by some _____ process.