



NATURAL MARVELS

Breathhtaking Chasms

How was the Grand Canyon formed?
What is life like in the Mariana Trench?
Read *Breathhtaking Chasms* to find out!

What did you learn?

QUESTIONS

1. The Grand Canyon is located in the ...
 - a. Northeastern United States
 - b. Southwestern United States
 - c. Southern United States
 - d. Southeastern United States
2. The Grand Canyon was created by ...
 - a. Rain
 - b. Earthquakes
 - c. Erosion
 - d. Time
3. The Mariana Trench is formed by ...
 - a. Plate tectonics
 - b. Fossils
 - c. Magma
 - d. Erosion
4. The Great Rift Valley is ...
 - a. A canyon
 - b. A rift
 - c. A group of valleys
 - d. A single valley
5. In which ocean is the Mariana Trench?
6. Which two continents does the Great Rift Valley cut through?

TRUE OR FALSE?

- | | |
|---|--|
| _____ 1. The Colorado Plateau is about 2 billion years old. | _____ 4. No amphibians live in the Great Rift Valley. |
| _____ 2. The Mariana Trench is the deepest place in the ocean and on Earth. | _____ 5. New crust is formed by erosion. |
| _____ 3. The Grand Canyon is mostly wet. | _____ 6. You can't survive the pressure in the Mariana Trench. |

ANSWERS

1. b. Southwestern United States.

According to section "Where Is the Grand Canyon and What's Special About It?" on page 8, we know that "The Grand Canyon is in the southwestern United States, in the state of Arizona." So, the correct answer is B.

2. c. Erosion. According to section "How Was the Grand Canyon Formed?" on page 16, we know that "No matter how old the canyon is, however, it was created by erosion." So, the correct answer is C.

3. a. Plate tectonics. According to section "Where Is the Mariana Trench and What's Special About It?" on page 20, we know that "The Mariana Trench was formed in a completely different way, by plate tectonics." So, the correct answer is A.

4. c. A group of valleys. According to section "Where Is the Great Rift Valley and What's Special About It?" on page 32, we know that "The Great Rift Valley is actually a group of valleys." So, the correct answer is C.

5. According to page 20, the Mariana Trench is in the Pacific Ocean.

6. According to page 32, the Great Rift Valley cuts through Africa and Asia.

TRUE OR FALSE? ANSWERS

1. True. According to section "How Was the Grand Canyon Formed?" on page 14, we know that "The plateau's earliest and deepest rocks are about 2 billion years old." So, the correct answer is True.

2. True. According to section "Where Is the Mariana Trench and What's Special About It?" on page 20, we know that "That makes it the deepest place in the ocean and the deepest place on Earth." So, the correct answer is True.

3. False. According to section "The Animals and Plants of the Grand Canyon" on page 10, we know that "The area surrounding the Grand Canyon is mostly dry." So, the correct answer is False.

4. False. According to section "What Animals Live in the Great Rift Valley?" on page 34, we know that "It is no surprise that many freshwater fish, reptiles, and amphibians make the Great Rift Valley their home." So, the correct answer is False.

5. False. According to section "How Was the Great Rift Valley Formed?" on page 36, we know that "New magma oozes up and hardens in the openings to form new crust." So, the correct answer is False.

6. True. According to section "What Is Life Like in the Mariana Trench?" on page 23, we know that "None of this would really matter to you, though, because you would not be able to survive the pressure in the Mariana Trench." So, the correct answer is True.