

PASSAGE 1

Read the following passage and mark the letter A, B, C, or D on your answer sheet to indicate the correct answer to each of the questions from 1 to 10.

Just two months after the flight of Apollo 10, the Apollo 11 astronauts made their historic landing on the surface of the Moon. This momentous trip for humanity also provided scientists with an abundance of material for study; from rock and soil samples brought back from the Moon, scientists have been able to determine much about the composition of the Moon (as well as to draw) inferences about the development of the Moon from its composition.

The Moon soil that came back on Apollo 11 contains small bits of rock and glass which were probably ground from larger rocks when meteors impacted with the surface of the Moon. The bits of glass are spherical in shape and constitute approximately half of the Moon soil. Scientists found no trace of animal or plant life in this soil.

In addition to the Moon soil, astronauts gathered two basic types of rocks from the surface of the Moon: Basalt and breccia. Basalt is a cooled and hardened volcanic lava common to the Earth. Since basalt is formed under extremely high temperatures, the presence of this type of rock is an indication that the temperature of the Moon was once extremely hot. Breccia, the other kind of rock brought back by the astronauts, was formed during the impact of falling objects on the surface of the Moon. This second type of rock consists of small pieces of rock compressed together by the force of impact. Gases such as hydrogen and helium were found in some of the rocks, and scientists believe that these gases were carried to the Moon by the solar wind, the streams of gases that are constantly emitted by the Sun.

Question 1: The paragraph preceding the passage most likely discusses _____

- A. astronaut training.
- B. The inception of the Apollo space program.
- C. a different space trip.
- D. previous Moon landings.

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Question 2: What is the subject of this passage?

- A. The Apollo astronauts.
- B. Soil on the Moon.
- C. What the Moon is made of.
- D. Basalt and breccia.

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Question 3: According to the passage, what does Moon soil consist of?

- A. Hydrogen and helium.
- B. large chunks of volcanic lava.
- C. Tiny pieces of stones and glass.
- D. Streams of gases.

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Question 4: Which of the following was NOT brought back to the Earth by the astronauts?

- A. Basalt
- B. Soil
- C. Breccia
- D. Plant life

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Question 5: According to the passage, breccia was formed

- A. when objects struck the Moon.
- B. from volcanic lava.
- C. When streams of gases hit the surface of the Moon.
- D. from the interaction of helium and hydrogen.

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Question 6: It is implied in the passage that scientists believe that the gases found in the Moon rocks.

- A. were not originally from the Moon.
- B. were created inside the rocks.
- C. traveled from the Moon to the Sun.
- D. caused the Moon's temperature to rise.

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Question 7: The word 'emitted' in the last paragraph is closest in meaning to

- A. setoff
- B. vaporized
- C. sent out
- D. separated

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Question 8: The author's purpose in this passage is to

- A. describe some rock and soil samples.
- B. explain some of the things learned from space flights.
- C. propose a new theory about the creation of the Moon.
- D. demonstrate the difference between basalt and breccia.

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Question 9: It can be interred from the passage that.

- A. the only items of importance that astronauts brought back from the Moon were rock and soil samples.
- B. scientists learned relatively little from the Moon rock and soil samples.
- C. scientists do not believe that it is necessary to return to the Moon.
- D. rock and soil samples were only some of a myriad of significant items from the Moon.

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Question 10: Which of the following would serve as the best title of the passage:

- A. Apollo 11
- B. things from the space flights
- C. rock on the Moon
- D. astronauts

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