

1. Rocks on Earth and on the Moon are made of similar materials. What does this observation most likely suggest?

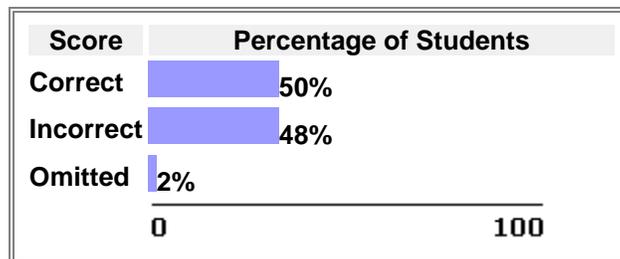
- A) Both the Moon and Earth split off from the Sun.
- B) Life must have existed on the Moon at one time.
- C) The Moon was probably formed from material from Earth.
- D) The whole solar system is made up of the same kinds of rocks.

Question 1

Key

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2005 National Performance Results



Note:

- These results are for public and nonpublic school students.
- Percentages may not add to 100 due to rounding.

The Fields of Science: *Earth & Space Sciences* (Sub content classification: *Earth in Space*)
Knowing and Doing Science : *Scientific Investigation*

The Fields of Science

Earth & Space Sciences

This question measures basic knowledge and understanding of the following:

Earth in Space

- setting of the Earth in the solar system;
- setting and evolution of the solar system in the universe (not in grade 4);
- tools and technology that are used to gather information about space;
- apparent daily motions of the Sun, the Moon, the planets, and the stars;
- rotation of the Earth about its axis, and the Earth's revolution around the Sun;
- tilt of the Earth's axis that produces seasonal variations in climate; and
- earth as a unique member of the solar system that may be approximated in other galaxies in the universe, and that evolved at least 4.5 billion years ago.

Knowing and Doing Science

Scientific Investigation

Scientific investigation probes students' abilities to use the tools of science, including both cognitive and laboratory tools. Students should be able to acquire new information, plan appropriate investigations, use a variety of scientific tools, and communicate the results of their investigations.