

Discovery Module "If We Had No Moon"

Answering

Subject: _____

1. Would there be business if the Moon never formed?

What collided with the proto-earth to form the Moon?

2. How many moons does Jupiter have?

What does Jupiter mostly resemble?

3. In the solar system, only _____ has "two big lucky moons."

4. Altogether, the Apollo moon missions returned _____ pounds of rocks.

5. Explain how scientists figure out that worlds like the planet "Orpheus" and proto-Earth collide.

6. Would the moon have formed if Orpheus impacted directly?

Could two moons have formed? What would happen eventually to the moons?

7. Describe the conditions on Earth-II after the massive impact that formed the Moon.

8. Remove the Moon and Earth's _____ would rotate uncontrollably.

This would affect the Earth's _____ in dramatic ways.

9. When did life on Earth thought to have begun (lowest thinking)?

10. The Orpheus impact may have produced Earth's _____.

11. The Moon's pull may have permitted _____ in oceans that never

Answers Key If We Had No Moon

Malvin Artley



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temperature remains constant $\Delta t = 0$ since internal energy depends on the temperature $\Delta u = 0$ from first law of thermodynamics

$\Delta u = \Delta q + \Delta w$ since $\Delta u = 0$ $\Delta q = -\Delta w$ also p, v nrt as t is constant p, v