

Name _____

The Moon's Pockmarked Past: Why Does Our Moon Have Craters?

Multiple Choice Questions

1. What distinguishes the Moon's surface from Earth's, making it more vulnerable to impact?
 - a) Thick atmosphere
 - b) Protective magnetic field
 - c) Layers of vegetation
 - d) Lack of atmosphere and magnetic field

2. How do lunar craters typically form?
 - a) Volcanic eruptions
 - b) Ancient riverbeds
 - c) Cosmic collisions
 - d) Earthquakes

3. Why are some lunar craters larger than others?
 - a) Random chance
 - b) Differences in lunar soil
 - c) Size and velocity of the impacting object
 - d) Moon's distance from Earth

4. How can studying lunar craters help scientists understand the Moon's history?
 - a) By estimating the number of craters
 - b) By providing clues about the Moon's magnetic field
 - c) By revealing the ages of lunar regions
 - d) By counting the number of lunar rocks

5. What protective features on Earth shield it from cosmic collisions that the Moon lacks?
 - a) Ozone layer
 - b) Volcanic eruptions
 - c) Thick ice caps
 - d) Atmosphere and magnetic field

