

Name _____

Meteor Mayhem: Can Meteors Cause Damage on Earth's Surface?

Multiple Choice Questions

1. What causes a meteoroid to heat up and create a glowing streak when it enters Earth's atmosphere?
 - a) Interaction with cosmic radiation
 - b) Collision with other meteoroids
 - c) Friction with air molecules
 - d) Magnetic attraction

2. What are meteoroids called when they reach Earth's surface without completely burning up?
 - a) Meteoroids
 - b) Meteors
 - c) Meteorites
 - d) Asteroids

3. What determines the extent of damage a meteorite can cause upon impact?
 - a) Its brightness in the sky
 - b) The angle at which it enters the atmosphere
 - c) Factors like size, speed, and composition
 - d) The time of day it falls

4. Which geological feature in Arizona is the result of a meteorite impact?
 - a) Grand Canyon
 - b) Rocky Mountains
 - c) Meteor Crater
 - d) Death Valley

5. What is the primary reason for monitoring near-Earth objects (NEOs)?
 - a) To study their composition
 - b) To predict meteor showers
 - c) To detect and prevent potential catastrophic impacts
 - d) To explore asteroid mining opportunities

