

Name \_\_\_\_\_

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

### Open-Ended Response Answer Key

1. Answers may vary but should consider the significance of meteoroid impacts in shaping Earth's geological history, provide examples of impact sites, and discuss their geological importance.
2. Answers may vary but should describe potential measures such as deflection strategies, public awareness, and international coordination to prevent or mitigate a large meteoroid impact.
3. Answers may vary but should explore the cultural and scientific importance of meteorites, including their role in human understanding of the cosmos and Earth's history.
4. Answers may vary but should highlight the importance of global efforts, cooperation among space agencies, and the need for a coordinated response to potential cosmic threats.

