

Name \_\_\_\_\_

## Cosmic Collisions: Can Comets Collide with Earth?

### Short Answer

1. Explain why comets have highly elliptical orbits, while Earth's orbit is nearly circular.
2. Describe the Tunguska event and its significance in the study of comet-Earth collisions.
3. How do astronomers and scientists track near-Earth objects (NEOs) like comets, and why is this monitoring crucial?
4. What measures can be taken to mitigate the potential risk of a comet collision with Earth?
5. How do comets contribute to our understanding of the solar system's history and behavior?

