

Name \_\_\_\_\_

## Comets and Asteroids: Cosmic Wanderers of the Night Sky

### Multiple Choice Questions

1. What is the primary difference between comets and asteroids?
  - a) Comets have a glowing coma and tail, while asteroids do not.
  - b) Comets are larger in size than asteroids.
  - c) Comets are only found in the asteroid belt.
  - d) Asteroids are made of ice, while comets are rocky.
  
2. Where do comets mainly originate from in our solar system?
  - a) The asteroid belt
  - b) The Kuiper Belt and the Oort Cloud
  - c) The orbit of Mars
  - d) The orbit of Jupiter
  
3. What causes the long, glowing tail of a comet?
  - a) The solar wind and radiation from the Sun pushing the coma's particles away.
  - b) The gravitational pull of the Earth.
  - c) The collision with other celestial objects.
  - d) The heat from the comet's nucleus.
  
4. What is the main composition of asteroids?
  - a) Dust and rock
  - b) Dust and ice
  - c) Iron and water
  - d) Methane and ammonia
  
5. Which region of our solar system is often home to asteroids?
  - a) The Oort Cloud
  - b) The Kuiper Belt
  - c) The asteroid belt
  - d) The region beyond Neptune

