

Name \_\_\_\_\_

## Unveiling the Cosmic Show: How Astronomers Predict the Appearance of Comets

### Multiple Choice Questions

1. How do astronomers track the orbits of comets?
  - a) They use powerful telescopes and computer programs.
  - b) They rely on human memory.
  - c) They follow comets in spaceships.
  - d) They ask other astronomers for updates.
  
2. What is the purpose of cataloging known comets?
  - a) To keep a record of all celestial objects.
  - b) To identify comets when they reappear.
  - c) To prove the existence of comets.
  - d) To track the paths of asteroids.
  
3. How do astronomers discover new comets?
  - a) By observing them with the naked eye.
  - b) By using specialized telescopes or observatories.
  - c) By reading ancient texts and manuscripts.
  - d) By sending spacecraft to search for comets.
  
4. How is the brightness of comets measured?
  - a) Using a scale called "magnitude."
  - b) By counting the number of stars around the comet.
  - c) By estimating the distance between the comet and Earth.
  - d) By the size of the comet's tail.
  
5. Why is it sometimes impossible to observe a comet from Earth?
  - a) Because comets are too small.
  - b) Because they move too fast.
  - c) Because their paths take them too close to the Sun.
  - d) Because they only appear during the day.

