

Name _____

Cosmic Quick Check

Cadet Protocol: You are now in the **Observation Chamber** of the Intergalactic Academy. Commander Starflare is testing your instant recall of key facts about small solar system bodies. Complete the quiz by answering each **True or False** and **Multiple Choice** question as quickly and accurately as possible.

Part 1: True or False

Write **T** for True or **F** for False next to each statement.

1. ____ The asteroid belt is located between Earth and Venus.
2. ____ Comets are mostly made of rock and metal, like asteroids.
3. ____ A meteoroid becomes a meteor when it enters Earth's atmosphere.
4. ____ A meteorite is a meteor that burns up completely in the sky.
5. ____ The tail of a comet always points toward the Sun



Part 2: Multiple Choice - Circle or mark the letter of the correct answer.

6. What is a **coma** in relation to a comet?
A. A small crater caused by a meteorite
B. The rocky core of a comet
C. A cloud of gas and dust around the nucleus of a comet
D. An area where comets are stored
7. Which region contains most of the asteroids in the solar system?
A. Oort Cloud B. Asteroid Belt C. Kuiper Belt D. Lunar Orbit
8. Which of the following terms describes a piece of a comet or asteroid that survives and lands on Earth?
A. Meteor B. Meteoroid C. Meteorite D. Coma
9. What causes a **meteor shower**?
A. The Moon passing through an asteroid field
B. A comet crashing into Earth
C. Earth moving through the trail of debris left by a comet
D. Meteors bouncing off the atmosphere
10. Which object is most likely to have a long, glowing tail?
A. Asteroid B. Meteorite C. Comet D. Meteoroid