

Name _____

Galactic Certification Quiz

Mission Brief: You're about to earn your **Junior Cosmic Explorer Badge!** To pass this part of your space science training, complete the multiple-choice questions below. Choose the **best answer** for each question by selecting **A, B, C, or D.**



Multiple Choice Questions

1. What is a meteoroid?

- A. A comet's tail made of ice and dust
- B. A small rocky or metallic object traveling through space
- C. A glowing cloud that forms around a comet
- D. A crater formed after a meteor hits Earth

2. What do we call a meteoroid that survives its fall through Earth's atmosphere and lands on the ground?

- A. Meteor B. Coma C. Meteorite D. Asteroid

3. Which term refers to the glowing gas cloud that surrounds a comet's nucleus when it nears the Sun?

- A. Core B. Crater C. Comet Ring D. Coma

4. Where is the asteroid belt located?

- A. Between Earth and the Moon B. Inside Jupiter's atmosphere
- C. Between Mars and Jupiter D. At the edge of the Oort Cloud

5. What causes a meteor shower?

- A. Earth passing through debris left by a comet B. Asteroids colliding with one another
- C. A meteorite impact on the Moon D. The solar wind disrupting asteroid orbits

6. What is the Kuiper Belt best known for?

- A. Housing the largest gas giants
- B. Being a source of long-period comets
- C. Containing icy bodies and dwarf planets beyond Neptune
- D. Being filled with falling meteors

7. How is an asteroid different from a comet?

- A. Asteroids orbit planets, while comets orbit moons
- B. Asteroids are mostly made of gas; comets are rocky
- C. Asteroids are rocky/metallic; comets contain ice and dust
- D. Comets are only found inside the asteroid belt