
Exercise H1: Artificial Satellites and the Space Environment

Student name: _____ Class: _____ Date: _____

Check the box with the correct answer.

Question 1: Assuming a circular orbit for the ISS, what is its orbital speed?

- a. 7.9 m/s
- b. 7.9 km/s
- c. 6.2 km/s
- d. 6,200 km/s

Question 2: Which of the following would require a geostationary satellite?

- a. A satellite tracking a hurricane across the Atlantic.
- b. A satellite gathering global land-use information.
- c. A satellite monitoring the north and south polar ice caps.
- d. A satellite providing TV signals.

Question 3: Which statement best describes Galaxy 19's orbit?

- a. It is almost circular and orbits near the Earth's equatorial plane.
- b. It is highly elliptical.
- c. It is a polar orbit.
- d. It is a low Earth orbit.