

---

---

## Exercise H2: Great Explorations in the Solar System

Student name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

Check the box with the correct answer.

**Question 1:** What are the advantages of a robotic craft over a manned mission?

- a. A robotic spacecraft can reach the planets faster.
- b. A robotic spacecraft does not have to be returned to Earth.
- c. Robotic systems can take more photos and of higher quality than a manned mission could.
- d. Computers are better able than humans to make decisions in space about observations and measurements.

**Question 2:** How far is Voyager from Earth at this point? *Hint: Use the Angular Separation Tool.*

- a. 4.5 AU
- b. 0.003 AU
- c. 1 AU
- d. 0.008 AU

**Question 3:** How does this Cassini view differ from views provided by the Hubble Space telescope?

- a. It shows that the rings are transparent.
- b. It shows that there are more than 2 rings.
- c. It shows the night side of Saturn.
- d. It shows the shadow of the planet on the rings.

**Question 4:** What was the average speed of the Huygens lander during this 10-minute interval?

- a. 353 km/s (790,000 mph!)
- b. 5.9 km/s (13,000 mph!)
- c. 3530 m/s (7,900 mph!)
- d. 5.9 m/s (13.3 mph!)