

Ch 12 Lesson 3 Review

1) Which outer planet has the most complex ring system in the solar system?

- A) Uranus
- B) Neptune
- C) Jupiter
- D) Saturn

2) Which planet is the largest in the solar system?

- A) Neptune
- B) Jupiter
- C) Saturn
- D) Uranus

3) Which two gases make up most of the outer planets?

- A) ammonia and helium
- B) ammonia and hydrogen
- C) hydrogen and helium
- D) methane and hydrogen

4)

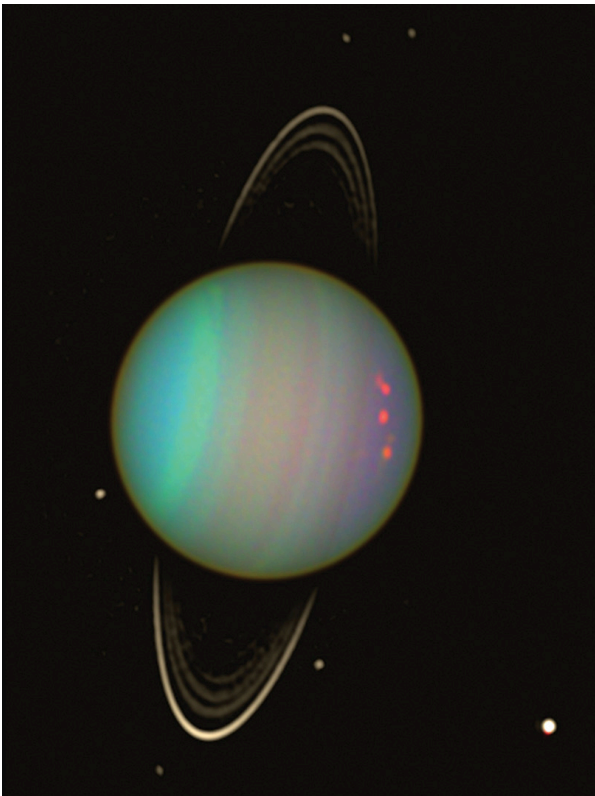


Photo Credit: NASA and Erich Karkoschka, University of Arizona

What is unusual about Uranus, as seen in the image?

- A) the gases in the atmosphere
- B) the axis of rotation
- C) the nearly spherical shape
- D) the distinctive rings

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5) This data table summarizes some important characteristics of the planets. What relationship(s) can you infer from the data table?

Planet	Average distance from the Sun (AU)	Orbital period (years)	Radius of the planet (km)
Jupiter	5.20	11.9	71492
Saturn	9.58	29.4	60268
Uranus	19.2	84.0	25559
Neptune	30.1	162.0	24764

- A)** The farther the planet is from the Sun, the larger the planet becomes.
- B)** As the average distance from the Sun increases, the length of time it takes to complete one orbit also increases.
- C)** One year on Saturn is nearly twice that on Jupiter.
- D)** The planet with the largest radius is the farthest from the Sun.