

Name _____ Date _____

Instructions: Read each question carefully and choose the best answer.

1. Why is it possible to see Jupiter without a telescope?
 - Ⓐ It is very red in color.
 - Ⓑ It has large rings around it.
 - Ⓒ It is the closest planet to Earth.
 - Ⓓ It is the largest planet in our solar system.
2. Why are there no bright, wide stripes on Earth as there are on Jupiter?
 - Ⓐ Earth is colder.
 - Ⓑ Earth has water on it.
 - Ⓒ Earth doesn't have gas clouds in bands like Jupiter.
 - Ⓓ Earth has more hydrogen and helium than Jupiter.
3. Why does it take twelve Earth-years for Jupiter to orbit the Sun?
 - Ⓐ because it is the biggest planet
 - Ⓑ because it is an older and slower planet
 - Ⓒ because it is farther from the Sun than Earth
 - Ⓓ all of the above
4. An **atmosphere** is _____.
 - Ⓐ the layer of gases around a planet
 - Ⓑ a type of gas that is found only around Jupiter
 - Ⓒ a type of volcano on a planet that sends out gases
 - Ⓓ an electronic field found on all the planets in our solar system
5. What is surprising to the author about Jupiter as he views it through a telescope?
 - Ⓐ It has several moving and changing stripes.
 - Ⓑ There is no color in some places.
 - Ⓒ It has several moons.
 - Ⓓ It is very large.

Quick Check continued on following page

Name _____ Date _____

6. What is an **orbit**?
 - Ⓐ the diameter of a body in our solar system
 - Ⓑ the path a planet takes as it goes around the Sun
 - Ⓒ a small object that moves through space and hits planets
 - Ⓓ a type of gas that is often found in the atmosphere of Jupiter
7. Why is a day shorter on Jupiter than on Earth?
 - Ⓐ Jupiter is larger than Earth.
 - Ⓑ Jupiter spins faster than Earth.
 - Ⓒ Earth is closer to the Sun than Jupiter.
 - Ⓓ Earth has only one moon, and Jupiter has many.
8. What can a person do on Earth that he or she cannot do on Jupiter?
 - Ⓐ walk
 - Ⓑ breathe
 - Ⓒ grow food
 - Ⓓ all of the above
9. Why could Io be called *the rainbow moon*?
 - Ⓐ It has many rainbows.
 - Ⓑ It is the shape of a rainbow.
 - Ⓒ There are many colors on its surface.
 - Ⓓ It has a ring around it made of many colors.
10. What is the Great Red Spot on Jupiter?
 - Ⓐ It is a large storm that has been going on for 300 years.
 - Ⓑ It is a sea that is made of red water and rocks.
 - Ⓒ It is a place where there is a lot of iron.
 - Ⓓ It is a great desert that has red sand.
11. **Extended Response:** Explain two ways that Jupiter's rings are different from Saturn's rings.
12. **Extended Response:** Why are scientists not sure about what is in the center of Jupiter?

Quick Check Answer Sheet

Jupiter's Secrets Revealed

Main Comprehension Skill: Compare and Contrast

1. Ⓓ Main Idea and Details
2. Ⓒ Compare and Contrast
3. Ⓒ Cause and Effect
4. Ⓐ Vocabulary
5. Ⓐ Main Idea and Details
6. Ⓑ Vocabulary
7. Ⓑ Compare and Contrast
8. Ⓓ Compare and Contrast
9. Ⓒ Main Idea and Details
10. Ⓐ Main Idea and Details
11. Answers should include the two of the following facts: *Jupiter's rings cannot be seen from Earth; Jupiter's rings are much thinner than Saturn's; Jupiter's rings are made of dust, and Saturn's are made of ice.*
12. Answers should include the following: *scientists have never been able to actually dig to or study the center of Jupiter.*