Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**7 Wonders of the Solar System**

1. In the entire universe, we haven’t found anything like…

a. our galaxy. c. star clusters.

b. our Solar System. d. the Sun.

2. Identify which space probe is orbiting Saturn.

a. Cassini c. Galileo

b. Curiosity d. New Horizons

3. Geysers were found on which moon of Saturn?

a. Enceladus c. Rhea

b. Mimas d. Titan

4. \_\_\_\_\_\_\_\_\_\_\_\_\_ geysers were found on Enceladus. ***(Enter a number)***

5. Enceladus might have an underground, liquid ocean.

a. True b. False

6. Saturn’s rings has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ times more water than Earth.

a. 26,000 c. 26,000,000

b. 260,000 d. 260,000,000

7. How were Saturn’s rings formed? ***(There are two or more answers to this question. Make sure you enter all the answers!)***

a. Rings may consist of material that never had a chance to form into a moon.

b. The rings are captured asteroids.

c. They may be a moon that wandered too close to Saturn and was broken up.

d. A comet came too close to Saturn.

8. There are \_\_\_\_\_\_\_\_\_\_\_\_\_ moons embedded in Saturn’s rings. ***(Enter a number)***

9. This is three times the size of Earth.

a. The Great Blue Spot c. The Great Red Spot

b. The Great Black Spot d. The Great White Spot

10. This storm has been going strong for \_\_\_\_\_\_\_\_\_\_\_\_\_ years. ***(Enter a number)***

11. The Great Red Spot is not shrinking.

a. True b. False

12. This is found between Mars and Jupiter.

a. Asteroid Belt c. Kuiper Belt

b. Asteroid Cloud d. Oort Cloud

13. Asteroids did not form a planet because… ***(There are two answers to this question. Make sure you enter all the answers!)***

a. of Jupiter’s gravitational pull.

b. there wasn’t enough material to form a planet.

c. there was a planet, but it blew up forming the Asteroid belt.

d. the gravitational pull of all the planets.

14. If you took all the asteroids in the Asteroid Belt and put them together, the world would be smaller than…

a. Enceladus. c. the Moon.

b. Mercury. d. Pluto.

15. Hollywood does not accurately portray the Asteroid Belt.

a. True b. False

16. The average distance between asteroids is \_\_\_\_\_\_\_\_\_\_\_\_\_ miles.

a. 1,000 c. 100,000

b. 10,000 d. 1,000,000

17. Near Earth Objects are rocks like asteroids and comets that strike earth every day.

a. True b. False

18. This is the largest volcano in the Solar System.

a. Elysium Mons c. Tharsis Ridge

b. Mauna Kea d. Olympus Mons

19. The Sun’s surface is an ocean of \_\_\_\_\_\_\_\_\_\_\_\_\_ o F. plasma. ***(Enter a number. Leave out the comma.)***

20. The Sun’s visible surface is called the…

a. chromosphere. c. photosphere.

b. corona. d. radiative envelope.

**7 Wonders of the Solar System – Key**

1. In the entire universe, we haven’t found anything like…

a. our galaxy. c. star clusters.

b. our Solar System. d. the Sun.

***b. our Solar System.***

2. Identify which space probe is orbiting Saturn.

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***a. Cassini***

3. Geysers were found on which moon of Saturn?

a. Enceladus c. Rhea

b. Mimas d. Titan

***a. Enceladus***

4. \_\_\_\_\_\_\_\_\_\_\_\_\_ geysers were found on Enceladus. ***(Enter a number)***

***30***

5. Enceladus might have an underground, liquid ocean.

a. True b. False

***a. True (2 choices)***

6. Saturn’s rings has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ times more water than Earth.

a. 26,000 c. 26,000,000

b. 260,000 d. 260,000,000

***c. 26,000,000***

7. How were Saturn’s rings formed? ***(There are two or more answers to this question. Make sure you enter all the answers!)***

a. Rings may consist of material that never had a chance to form into a moon.

b. The rings are captured asteroids.

c. They may be a moon that wandered too close to Saturn and was broken up.

d. A comet came too close to Saturn.

***a. Rings may consist of material that never had a chance to form into a moon; c. They may be a moon that wandered too close to Saturn and was broken up; d. A comet came too close to Saturn.***

8. There are \_\_\_\_\_\_\_\_\_\_\_\_\_ moons embedded in Saturn’s rings. ***(Enter a number)***

***62***

9. This is three times the size of Earth.

a. The Great Blue Spot c. The Great Red Spot

b. The Great Black Spot d. The Great White Spot

***c. The Great Red Spot***

10. This storm has been going strong for \_\_\_\_\_\_\_\_\_\_\_\_\_ years. ***(Enter a number)***

***400***

11. The Great Red Spot is not shrinking.

a. True b. False

***b. False (2 choices)***

12. This is found between Mars and Jupiter.

a. Asteroid Belt c. Kuiper Belt

b. Asteroid Cloud d. Oort Cloud

***a. Asteroid Belt***

13. Asteroids did not form a planet because… ***(There are two answers to this question. Make sure you enter all the answers!)***

a. of Jupiter’s gravitational pull.

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d. the gravitational pull of all the planets.

***a. of Jupiter’s gravitational pull; d. the gravitational pull of all the planets.***

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***c. the Moon***

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a. 1,000 c. 100,000

b. 10,000 d. 1,000,000

***d. 1,000,000***

17. Near Earth Objects are rocks like asteroids and comets that strike earth every day.

a. True b. False

***a. True (2 choices)***

18. This is the largest volcano in the Solar System.

a. Elysium Mons c. Tharsis Ridge

b. Mauna Kea d. Olympus Mons

***d. Olympus Mons***

19. The Sun’s surface is an ocean of \_\_\_\_\_\_\_\_\_\_\_\_\_ o F. plasma. ***(Enter a number. Leave out the comma.)***

***10000***

20. The Sun’s visible surface is called the…

a. chromosphere. c. photosphere.

b. corona. d. radiative envelope.

***c. photosphere.***

21. A coronal mass ejection sends a large amount of x-rays to Earth. Why don’t the x-rays affect us?

a. They travel too slowly.

b. Our atmosphere absorbs most x-rays coming from coronal mass ejections.

c. They weaken as they travel towards Earth.

d. Our atmosphere reflects the x-rays into space.

***b. Our atmosphere absorbs most x-rays coming from coronal mass ejections.***

**7 Wonders of the Solar System – Scoring Guide**

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| --- |
| ***20-21 – 4***  ***18-19 – 3.5***  ***15-17 – 3***  ***13-14 – 2.5***  ***11-12 – 2***  ***9-10 – 1.5***  ***8 – 1***  ***1-7 – .5*** |