



Name \_\_\_\_\_ Date \_\_\_\_\_

**Sol's Planets - 1st Period**

1. Which planet has a day that is almost the same length as ours? (1 point)
  - Mercury
  - Venus
  - Earth
  - Mars
  - Jupiter
  - Saturn
  - Uranus
  - Neptune
  - Pluto
  
2. The most volcanically active body in the solar system is Io. This is a moon of which planet? (1 point)
  - Earth
  - Jupiter
  - Pluto
  - Neptune
  - Saturn
  
3. Why is Uranus blue? (1 point)
  - hydrogen gases glowing hot
  - covered in water
  - frozen water makes it look blue
  - methane atmosphere is blue in color
  
4. What planet is the second smallest? (1 point)
  - Mercury
  - Venus
  - Earth
  - Mars
  
5. Which planet has the fastest rotation (or shortest day)? (1 point)
  - Mercury
  - Venus
  - Earth
  - Mars

- - Jupiter
  - Saturn
  - Uranus
  - Neptune
  - Pluto
6. The composition of Mercury's atmosphere is given in the choices. What major component of Mercury's atmosphere would be deadly for us? (1 point)
- 42% Oxygen (O<sub>2</sub>)
  - 29% Sodium (Na)
  - 22% Hydrogen (H<sub>2</sub>)
  - 6% Helium (He)
  - 0.5% Potassium (K)
7. According to the most current information, which planet has the most satellites (moons)? (1 point)
- Venus
  - Uranus
  - Neptune
  - Saturn
  - Jupiter
8. What scientist first studied Saturn through a telescope? (1 point)
- Galileo Galilei
  - Percival Lowell
  - Cassinis Tombaugh
  - Christian Huygens
9. On which planet would you weigh the least? (1 point)
- Mercury
  - Venus
  - Earth
  - Mars
  - Jupiter
  - Saturn
  - Uranus
  - Neptune
10. Astronomers believe that an object hit and knocked Uranus because it is tilted so far. (1 point)

- True
- False

11. Is the mass of Mars greater or less than Earth? (1 point)

- greater mass
- less mass

12. What planet is approximately 70% water? (1 point)

\_\_\_\_\_

13. Jupiter is more than twice as massive as all the other planets combined. It is 318 times more massive than \_\_\_\_\_! (1 point)

- the sun
- the earth
- Saturn

14. Saturn is which planet from the sun? (1 point)

- 2
- 4
- 6
- 8

15. Neptune, a baby blue planet, has a large dark spot. What is this spot? (1 point)

- volcano
- storm
- crater
- an ocean

16. Where do scientists believe would be a good place to look for hydrothermal vents on Mars? (1 point)

- equator
- in the core
- at the poles

17. Which planet is known to have the hottest average temperature? (1 point)

- Mercury
- Venus
- Earth
- Mars

18. Select ALL the gas planets. Choose all that apply. (1 point)

- Mercury
- Venus
- Earth
- Mars
- Jupiter
- Saturn
- Uranus
- Neptune

19. Select ALL planets that have RINGS. Choose all that apply. (1 point)

- Mercury
- Venus
- Earth
- Mars
- Jupiter
- Saturn
- Uranus
- Neptune

20. Which planet goes around the sun in the fewest number of days? (1 point)

- Mercury
- Venus
- Earth
- Mars
- Jupiter
- Saturn
- Uranus
- Neptune
- Pluto

21. Select the planets that have NO satellites (moons). Choose all that apply. (1 point)

- Mercury
- Venus
- Earth
- Mars
- Jupiter
- Saturn

- Uranus
- Neptune

22. Venus and Earth are similar in many ways. Which of the following is NOT one of the similarities? (1 point)

- composition of atmosphere
- density
- diameter
- mass

23. Which planet has the greatest gravity? (1 point)

- Mercury
- Venus
- Earth
- Mars
- Jupiter
- Saturn
- Uranus
- Neptune
- Pluto

24. Saturn is the \_\_\_\_ largest planet. (1 point)

- 1st
- 2nd
- 3rd
- least

25. What is another name for Mars? (1 point)

- Mercury's brother
- The Red Planet
- Earth's twin
- The Red Storm