Solar System Table in ESRT

Name __________________

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Period ____ Date __________

1. What is the order of planets from closest to farthest from the sun?
   _________, _________, _________, _________, _________, _________, _________, _________

2. a) Which planet has the shortest period of one rotation? _________
   b) …longest rotation period? _________

3. Which planet has the greatest average density? _________

4. Which planets have the following densities?
   a) 1.3 g/cc _________
   b) 0.7 g/cc _________
   c) 5.2 g/cc _________
   d) 3.9 g/cc _________

5. Which planet has the following distances from the sun?
   a) 108 million km _________
   b) 58 million km _________
   c) 778 million km _________
   d) 4,496 million km _________

6. a) Which planet takes about 12 years to make one orbit of the sun?
   _________
   b) … 225 Days _________
   c) … 165 years _________
   d) 365.26 days _________

7. Which planet is largest? _________ … smallest ? _________

8. Which planet has an equatorial diameter of 12,104 km? _________
   b) … 120,000 km? _________

9. Which of the gas giant planets has a series of rings; rotates once in a little over 10 hours and has an eccentricity of 0.056? _________

10. Which planet takes longer to rotate once than it does to revolve once? _________

11. Which planet is closest to the earth? _________
12. Which planet rotates once in about the same time as earth? _________

13. Which planet is closest to being the same size as the earth? _________

14. Which planet has the orbit that is most nearly a perfect circle? ____________

15. Which planet has the most elliptical orbit of the sun? ____________

16. The asteroid belt is located between the orbits of ____________ and ____________.

17. Which planet has a density of 5.4 g/cc and 88 days to revolve?

18. Which planet has a period of rotation about 30 minutes more than Earth?

19. Which planet is the fastest rotation planet?

20. Which planet is the fastest revolving planet?

21. What is the order of the planets from largest to smallest in diameter? ____________, ____________, ____________, ____________, ____________, ____________, ____________, and ____________.

22. Name the four outer **Jovian** planets ____________, ____________, ____________, and ____________.

23. Name the four inner **Terrestrial** planets ____________, ____________, ____________, and ____________.

24. Which planet has made only one revolution of the sun since 1975?

25. What object in the solar system has the greatest mass?

26. What is the order of the planets from most dense to least dense? ____________, ____________, ____________, ____________, ____________, ____________, ____________, and ____________.