

Name _____

Period _____

Astronomy Study Guide: Due Friday (10/18) or Monday, (10/21) Test date 10/23 or 10/24

12. Complete the information on gravity.

The more massive the object= the stronger the pull. / greater

Less massive objects = the weaker the pull. / less

The greater the distance = the weaker the gravitational pull. / less

The smaller the distance = the stronger the gravitational pull.

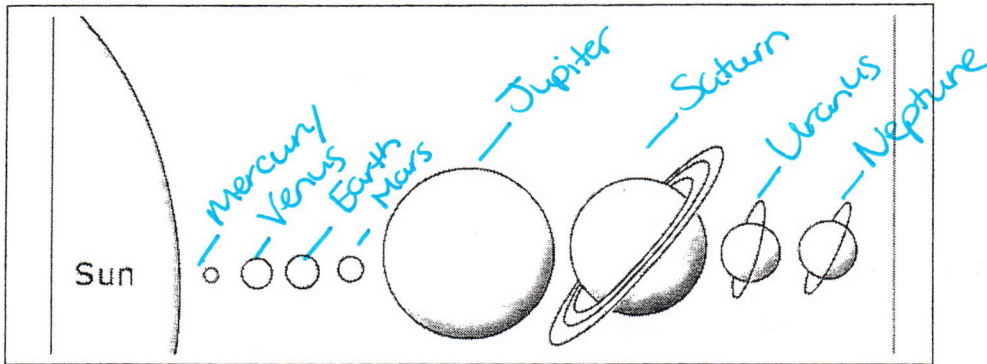
13. Inertia is the tendency of an object to stay in motion unless something changes or stops its direction.

14. Together, inertia and gravity keep the planets in an elliptical orbit.

15. If a planet suddenly loses inertia, that planet will crash into the Sun

16. If a planet suddenly loses gravity, that planet will move in a straight line.

17. Label the planets in order from the Sun:



18. What is the smallest planet? Mercury Largest planet? Jupiter

19. What is the hottest planet? Venus Coldest planet? Neptune

20. 3 similarities of inner planets:

- a. Closer to Sun
- b. Rocky
- c. Small

* Inner planets:
Mercury, Venus, Earth, Mars

21. 3 similarities of outer planets:

- a. gaseous/gas
- b. Large
- c. Farther from Sun

* Outer planets:
Jupiter, Saturn, Uranus, Neptune

22. Which planet has the shortest revolution? Mercury

Longest revolution? Neptune

23. Which planet is similar in size to Earth? Venus

24. Aside from Earth, which planet once had liquid water on its surface? Mars What evidence was found? Ice caps

25. The asteroid belt is between Mars and Jupiter.