

Dwarf Planets & Other Objects

Due:

Wednesday 7th

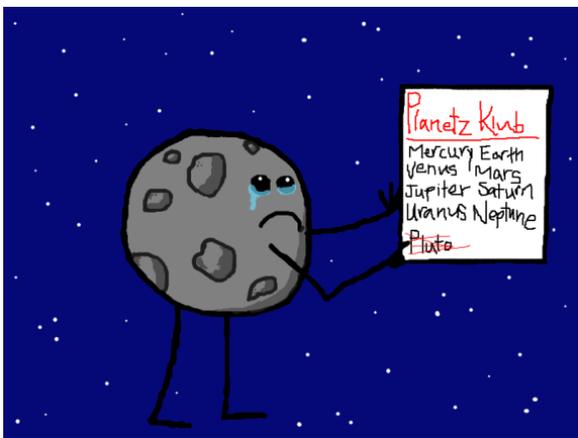
Name _____
 Class _____ Date _____

Across

- 4. chunks of rock and ice that never clumped together
- 5. a streak of light in Earth's atmosphere made by a glowing meteoroid
- 7. the smallest dwarf planet and is found in the asteroid belt
- 8. a meteoroid that strikes a planet or a moon
- 10. The region beyond Neptune that holds many dwarf planets is the ___ Belt.
- 11. like planets, dwarf planets orbit this
- 12. like planets, dwarf planets are in this shape
- 14. The bright tail of a comet occurs because the comet absorbs this type of energy
- 15. A ___-period comet takes more than 200 Earth years to orbit the sun.
- 16. Because dwarf planets are so far from Earth, scientists are unable to get detailed ___ of them.
- 17. A ___-period comet takes less than 200 Earth years to orbit the Sun.

Down

- 1. a round depression formed on the surface of a planet, moon or other space object by the impact of a meteorite
- 2. The asteroid belt is between the orbits of Mars and ___.
- 3. mixtures of rock, ice and dust that are loosely held together and orbit the sun in long elliptical orbits
- 6. Unlike planets, dwarf planets have objects similar in mass ___ near them or crossing their paths.
- 8. small, rocky particle that moves through space
- 9. the largest dwarf planet
- 13. The largest asteroid is named ___.
- 14. Eris is ___ times farther from the sun than Pluto is.




16 _____

17 _____

**Answers! Do NOT
copy for students**

ceres the smallest dwarf planet and is found in the asteroid belt

sphere like planets, dwarf planets are in this shape

sun like planets, dwarf planets orbit this

orbiting Unlike planets, dwarf planets have objects similar in mass ___ near it or crossing its path.

eris the largest dwarf planet

three Eris is ___ times farther from the sun than Pluto is.

kuiper The region beyond Neptune that holds many dwarf planets is the ___ Belt.

images Because dwarf planets are so far from Earth, scientists are unable to get detailed ___ of them.

Jupiter The asteroid belt is between the orbits of Mars and ___.

Pallas The largest asteroid is named ___.

asteroids chunks of rock and ice that never clumped together

comets mixtures of rock, ice and dust that are loosely held together and orbit the sun in long elliptical orbits

thermal The bright tail of a comet occurs because the comet absorbs this type of energy

short A ___-period comet takes less than 200 Earth years to orbit the Sun.

long A ___-period comet takes more than 200 Earth years to orbit the sun.

meteoroid small, rocky particle that moves through space

meteor a streak of light in Earth's atmosphere made by a glowing meteoroid

meteorite a meteoroid that strikes a planet or a moon

impacter crater a round depression formed on the surface of a planet, moon or other space object by the impact of a meteorite



Why is Pluto no longer a planet?

Scan this link which is also on my “links” tab: (<http://safeyoutube.net/w/hju>)

Answer the following questions while you watch or after you have watched.

_____ 17. The term planet comes from an ancient Greek word that meant ____.

_____ 18. For many years the other five planets that were known were: Mercury, Venus, Mars, Jupiter and Saturn. What invention enabled astronomers to discover more planets?

_____ 19. What planet was discovered in 1781?

_____ 20. In what year was Neptune discovered?

_____ 21. In 1801, Piazzi discovered what he thought was a new planet. What is its name?

_____ 22. What do we now call the group of objects to which Ceres belongs?

_____ 23. In what year did Clyde Tombaugh discover Pluto?

_____ 24. In 2005, an object that is bigger than Pluto was discovered in the same region. What is the name of that object?

Small Bodies



Scan or type in this link: <http://solarsystem.nasa.gov/planets/>

-Scroll down to “Small Bodies”

Select one category in which you are interested (Dwarf Planets, Pluto, Ceres, Asteroids, Comets, Meteors & Meteorites). Read through the information there, and write a few sentences summarizing what you read. If time allows, explore the other categories.
