

Planet Questions

Web sites

<http://www.gly.bris.ac.uk/www/teach/virtrips/nineplanets/overview.html>

<http://www.nasa.gov>

<http://spaceweather.com/>

<http://www.windows2universe.org/>

Questions to ponder

- _____ 1. The main component of the atmosphere of Venus is ?
- _____ 2. The longest day is on the planet ?
- _____ 3. The mean distance from the earth to the sun is called a ?
- _____ 4. The longest year is on the planet ?
- _____ 5. The largest planet is ?
- _____ 6. The orbital plane of the earth is called the ?
- _____ 7. The atmosphere of Jupiter is mainly ___ and ___.
- _____ 8. The deviation of each planet's orbit from a circle is given by the ___ of its orbit.
- _____ 9. Which planets turn on their axis opposite to all the others?
- _____ 10. What type of motion is described in #9?
- _____ 11. Viewed from space above the north pole of the earth, the planets appear to travel in a _____ direction around the sun.
- _____ 12. Which planet is the most dense?
- _____ 13. Which planet has the most elliptical orbit?
- _____ 14. Which planets do not have satellites?

17. Classify the planets by
Terrestrial

Jovian

18. Classify the planets by
small

giant

19. Classify the planets by
inner

outer

20. Classify the planets by
inferior to earth

superior to earth

Star Stuff and Cosmology

Web sites

<http://map.gsfc.nasa.gov/universe/>

<http://www.pbs.org/faithandreason/intro/cosmo-frame.html>

http://imagine.gsfc.nasa.gov/docs/ask_astro/stars.html (see teachers corner at this site)

Questions to ponder

1. Trace the lifetime of our star, the sun, through its stages.
2. What types of stars produce the elements above carbon in their interiors? When in a star's lifetime would these elements be produced?
3. Can you sketch the Hertzsprung-Russell diagram? What does it show us?
3. Summarize the Big Bang theory of cosmology.