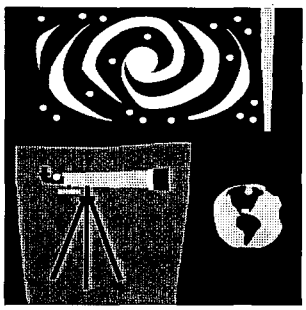

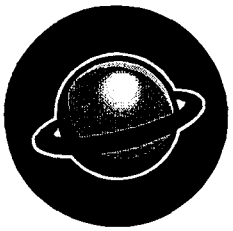

Solar System - Planets

1. Geocentric: _____ is the center of the solar system.
   Heliocentric: _____ is the center of the solar system.
2. Planetary Orbits (the path a planet takes as it revolves around the sun) are almost circular. Planetary orbits are _____.
3. The orbits are in the same plane called the _____.
4. Rotation (spinning on axis) and revolution are in a _____ _____direction.
5. There are 2 kinds of planets.

Terrestrial means _____

The terrestrial planets are _____, _____, _____ and _____.

Jovian means _____. These planets are called the Gas Giants)

The Jovian planets are _____, _____, _____, and _____.

6. Terrestrial planets are _____, denser, rocky.
7. Venus has a thick cloud cover. It also has a high percentage of CO2 which makes Venus much hotter than it should be considering its distance from the sun. Its temperature is approximately 890°F. (Mercury is -279° on the side not facing the sun, and 800° on the side facing the sun.)
8. Early Earth

Earth formed about _____ billion years ago.

No liquid water until about _____ billion years ago.

Early atmosphere not like today's atmosphere - transition to oxygen atmosphere began between _____ to 1.5 billion years ago.

9. Jovian Planets are larger, _____ dense, and gaseous - no solid surface.

10. An asteroid belt is between what 2 planets? _____ and _____

11. An astronomical unit (1 AU) is the distance between the _____ and earth. (about 150 million kms.)

Everything about our solar system is on page 15 ESRT

Solar System Data

Celestial Object	Mean Distance from Sun (million km)	Period of Revolution (d=days) (y=years)	Period of Rotation at Equator	Eccentricity of Orbit	Equatorial Diameter (km)	Mass (Earth = 1)	Density (g/cm^3)
SUN	—	—	27 d	—	1,392,000	333,000.00	1.4
MERCURY	57.9	88 d	59 d	0.206	4,879	0.06	5.4
VENUS	108.2	224.7 d	243 d	0.007	12,104	0.82	5.2
EARTH	149.6	365.26 d	23 h 56 min 4 s	0.017	12,756	1.00	5.5
MARS	227.9	687 d	24 h 37 min 23 s	0.093	6,794	0.11	3.9
JUPITER	778.4	11.9 y	9 h 50 min 30 s	0.048	142,984	317.83	1.3
SATURN	1,426.7	29.5 y	10 h 14 min	0.054	120,536	95.16	0.7
URANUS	2,871.0	84.0 y	17 h 14 min	0.047	51,118	14.54	1.3
NEPTUNE	4,498.3	164.8 y	16 h	0.009	49,528	17.15	1.8
EARTH'S MOON	149.6 (0.386 from Earth)	27.3 d	27.3 d	0.055	3,476	0.01	3.3