Valles Marineris
Ishtar Terra
Tharsis Bulge
Lobate Scarp
Ida
Gaspa
Deimos
Phobos
Io
Europa
Ceres
Vesta
Callisto
Ganymede
Charon
Miranda
Granulation
Chromosphere
Corona
Granulation
solar flare
spicule
coronal hole
spicules
solar wind
brown dwarf.
Bipolar flow
Hydrostatic equilibrium
HII regions.
Cassini's division

Implications about the size of volcanoes on Mars.
Water or lack of water in Mars' atmosphere.
The moons of Mars
Factors that causes a planet to lose its atmosphere
Mass and density of the terrestrial planets
The magnetic field of Venus
The greenhouse effect and Venus hot temperature
Mercury's surface
Mercury's extreme variations in surface temperature
Mercury's rotation
Venus' rotation
Explanations of Mars' seasons
Mars' two moons
Similarities between Jupiter and Saturn
Saturn's atmosphere
Saturn's rings

Titan’s atmosphere
Geologically active Galilean satellites
Rocky material of Jupiter's core
Excess heat of Jupiter and Saturn
The atmosphere of Pluto
The rotation of Uranus
Uranus, Neptune, & liquid metallic hydrogen
The narrowness of the rings of Uranus and Neptune
The blue appearance of Uranus and Neptune.
The satellite of Pluto.
A star's luminosity
H-R Diagram and locations of stars size (radius) on the H-R diagram
Parallax
Characteristics of giant & main sequence stars
Understand the H-R diagram in relation to luminosity, radius, mass, surface temperature, etc.
The mass-luminosity relation of stars
Understand star OBAFGKM spectral classifications
Understand white dwarf and its size, mass, density
Understand, chromosphere, corona of the sun
Understand Sunspot
Explanation of the missing solar neutrinos
Understand the proton-proton chain reaction, the final products and high temperature requirement
Common molecules in a molecular cloud
Interstellar gas clouds and star formation
The main sequence stars and lower mass limit
Interstellar clouds of dust and its effects on light
Composititon interstellar gas.
explain interstellar dust blocking starlight because
Mass of a start and its relationships to its temperature, density, radius,
luminosity, and pace of evolution of a protostar
Where stars are born in
Lifetime of a 10 $M_\odot$ and 1 $M_\odot$ star on the main sequence