

Astronomy Unit 3 Concepts and Terms

Be able to define and explain any of the following concepts and terms:

Ch. 9: Venus: superior conjunction, inferior conjunction, rotation rate, composition of atmosphere, physical properties, Magellan, Venera series, lava domes, shield volcanoes, coronae, structure of atmosphere, greenhouse effect, evidence of magnetic field and plate tectonics?

Ch. 10: Mars: orbital properties (conjunction, opposition), physical properties, observations of Mars, volcanism, impact cratering, permafrost, evidence of water, Mars Grand Canyon, polar caps, Martian landers (Viking, Sojourner, Spirit and Opportunity), atmosphere, evidence for life, interior of Mars, Moons of Mars.

Ch. 11: Jupiter: physical properties, rotation rate, differential rotation, atmosphere composition, Great Red Spot, zonal flow, atmosphere structure, white and brown ovals, internal structure and interior heat, magnetosphere, Galilean moons (Io, Europa, Ganymede, Callisto), Jupiter's ring.

Ch. 12: Saturn: rotation rate, physical properties, composition of atmosphere, helium precipitation, weather, interior structure, rings and divisions, Roche limit, Voyager missions, origin of the rings, Moons including Titan, Cassin-Huygens spacecraft.