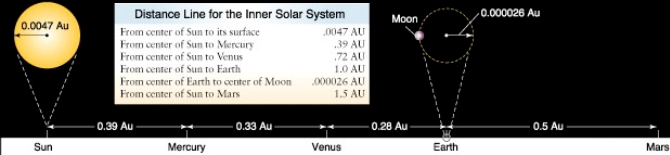
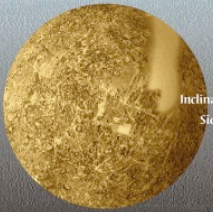


Planetas Terrestres

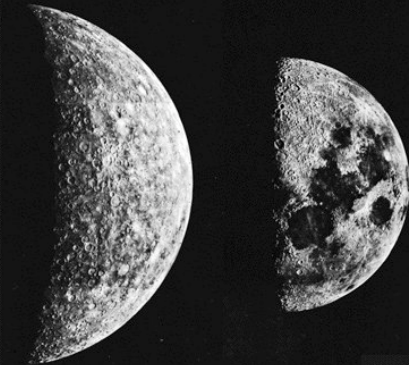


Mercury's Vital Statistics



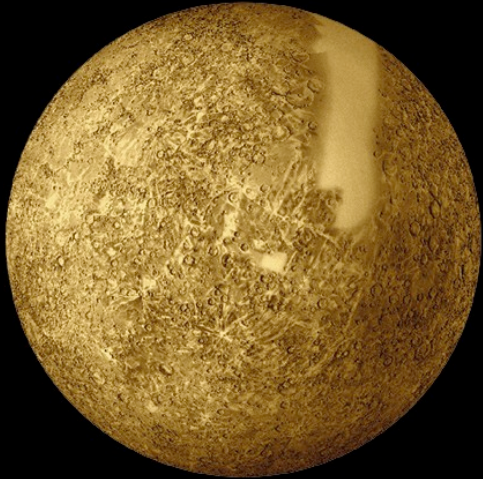
Mass	3.30×10^{23} kg (0.055 $M_{\oplus}$)
Radius	2439 km (0.382 $R_{\oplus}$)
Average density	5430 kg/m ³
Orbital eccentricity	0.206
Inclination of equator to plane of orbit	23.5°
Sidereal period of revolution (year)	88 Earth days
Average distance from the Sun	5.79×10^7 km (0.387 AU)
Sidereal rotation period	58.7 Earth days
Solar rotation period (day)	176 Earth days
Albedo (average)	0.06

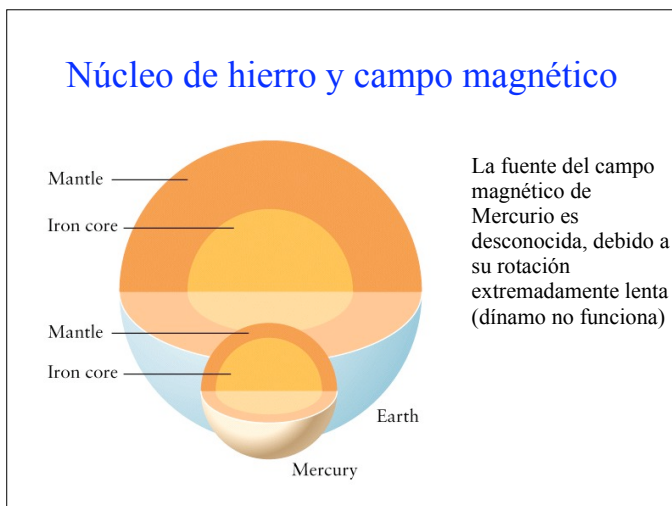
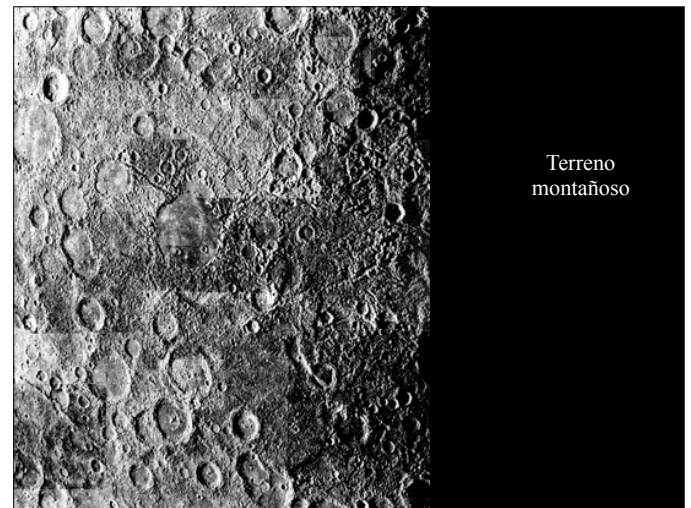
Mariner 10
visitó Mercurio
en 1974



Mercurio

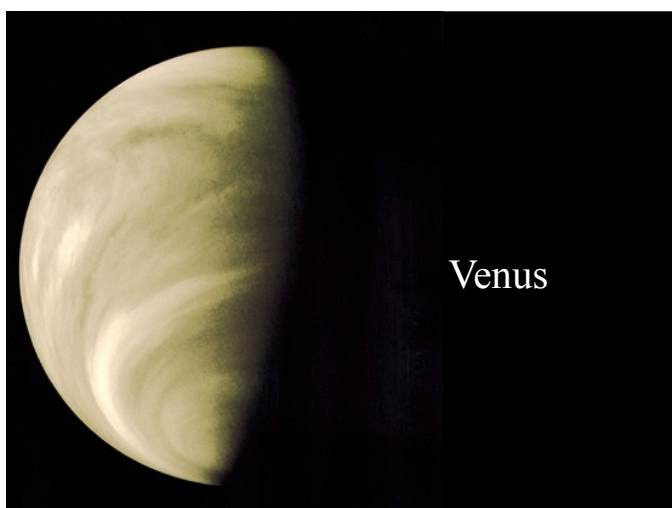
Luna





Venus's Vital Statistics

Mass	4.87×10^{24} kg (0.815 $M_{\oplus}$)
Radius	6051 km (0.949 $R_{\oplus}$)
Average density	5250 kg/m ³
Orbital eccentricity	0.007
Sidereal period of revolution (year)	224.7 Earth days
Average distance from the Sun	1.08×10^8 km (0.723 AU)
Sidereal rotation period	243 days (retrograde)
Solar rotation period (day)	116.8 Earth days
Albedo (average)	0.65

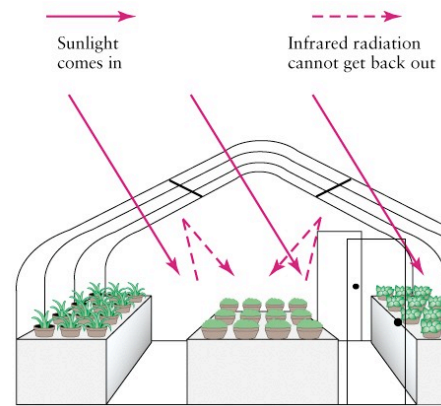


- ### Venus
- Atmósfera es 96% CO₂
 - Temperatura 750K
 - > Mercurio
 - día y noche!
 - Efecto invernadero

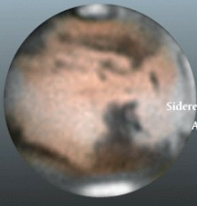
Extremos de temperatura

- Rotación lenta + ausencia de Atmósfera:
- 700K a mediodía
- 100K a medianoche

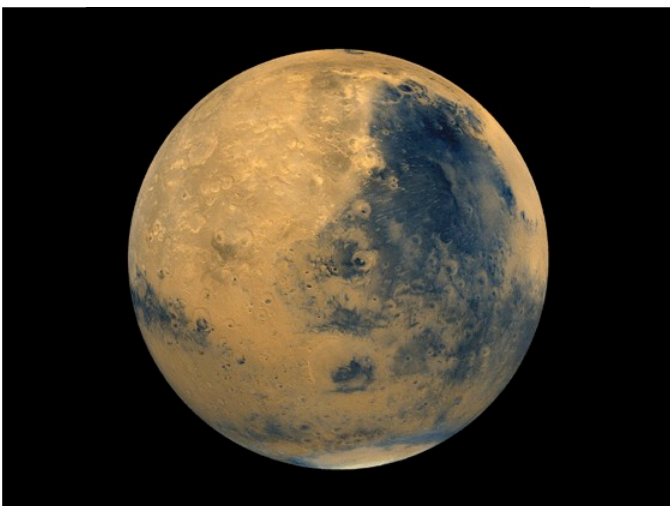
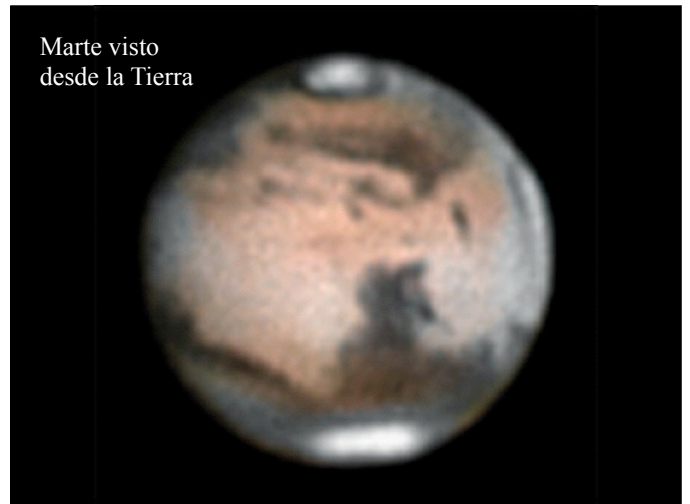
Efecto Invernadero



Mars's Vital Statistics

	Mass	6.42×10^{23} kg (0.107 $M_{\oplus}$)
	Radius	3393 km (0.532 $R_{\oplus}$)
	Average density	3950 kg/m ³
	Orbital eccentricity	0.093
	Sidereal period of revolution (year)	687 Earth days (1.88 Earth years)
	Average distance from the Sun	2.28×10^8 km (1.52 AU)
	Sidereal rotation period	24 h 37 min 22 s
	Solar rotation period (day)	24 h 39 min
	Albedo (average)	0.16

Marte visto desde la Tierra

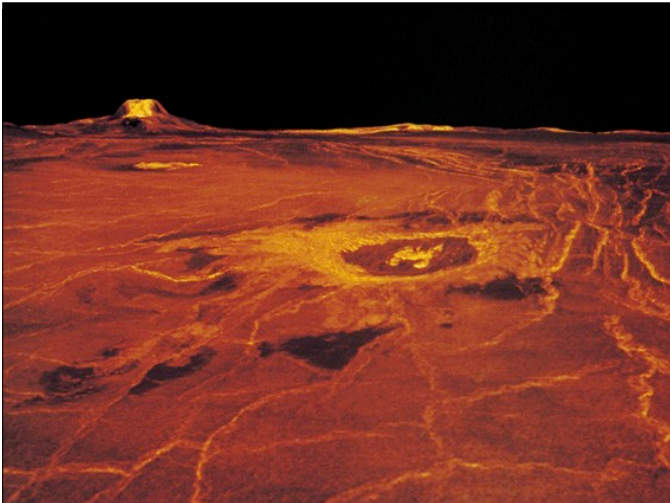
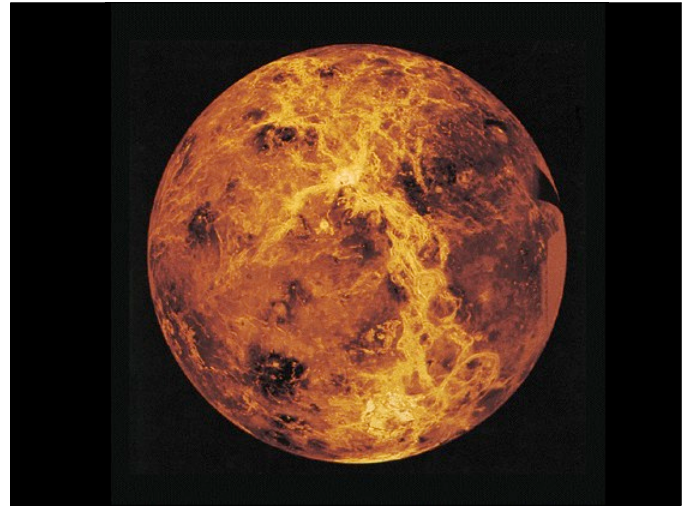


Viking I 1976

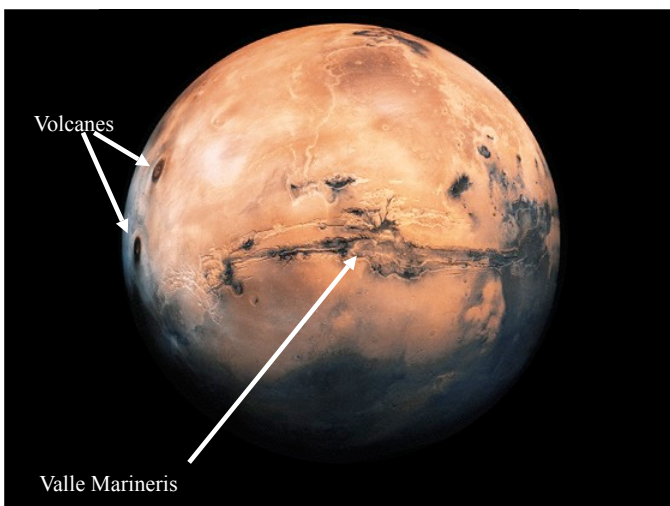
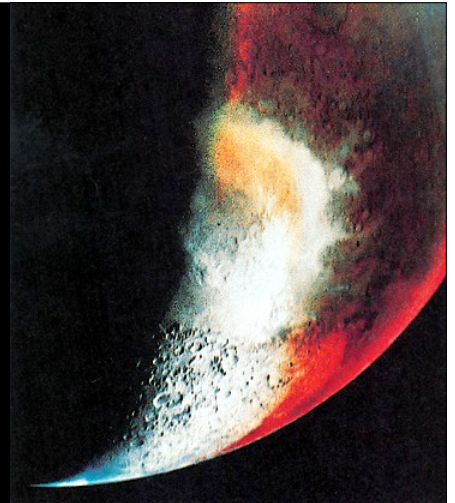


Atmósfera muy delgada

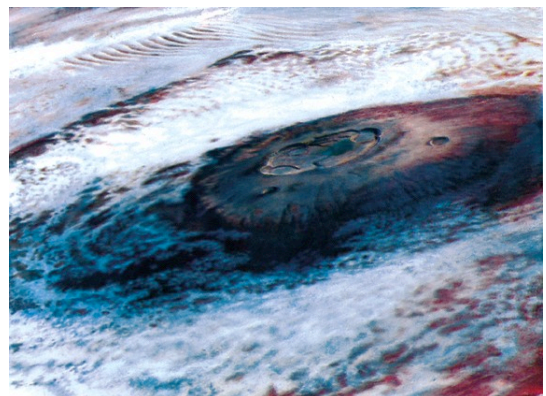
- 95% CO₂
- Presión atmosférica 0.01 atmósferas



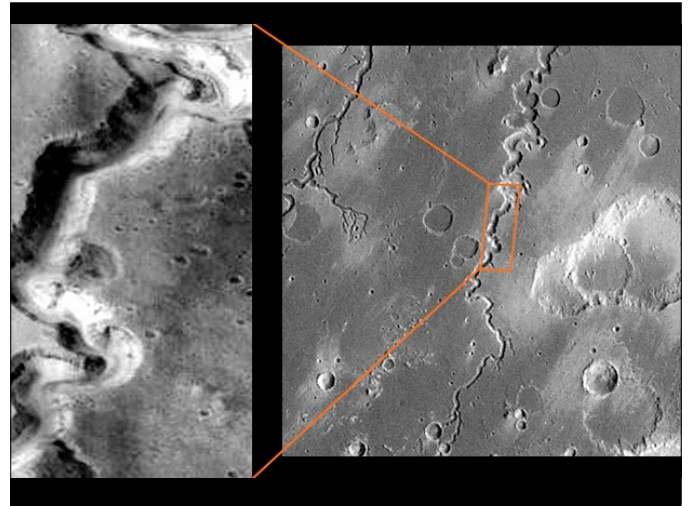
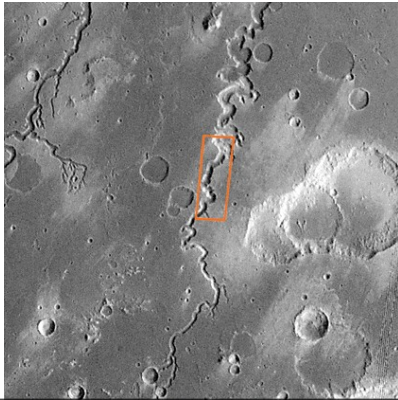
Capas de hielo
polares
estacionales



Monte Olimpo



Superficie de Marte alguna vez tuvo agua



Meteoritos marcianos de antartica, vida en marte?



Lunas: Fobos y Deimos



The Inner Planets: A Comparison

	Interior	Surface	Temperature	Atmosphere	Magnetic Field
Mercury	Not known whether liquid or solid	Heavy cratering, scarps	700 K by day, 100 K by night	H, He, K, P, O; transient and tenuous	0.1 times Earth's field
Venus	At least partially molten	Light cratering, mostly volcanic plains, gently rolling hills, some volcanos	750 K	Mostly CO ₂ , N ₂ ; 98 times denser than Earth's	None detected
Earth	Solid inner core, molten outer core, mantle	Very little cratering, continents and land at ocean floors, weathering, volcanos, global tectonic plates	200–315 K	Mostly N ₂ , O ₂	Strong global field
Mars	Probably solid core	Moderate cratering, weathering, dormant volcanos, huge canyons	160–280 K	Mostly CO ₂ , N ₂ ; 0.006 times as dense as Earth's	Weak, local fields