Body	Diameter(km)	Dist. To Sun (AU)	Probes	Orbital inclin.	Revolution	Rotation	Axis tilt	Mass	Densit (g/cm^3)	Atmosphere	Surface features	Suf. Atm. Pres	Suf. Temp (K)	Satellites
Earth	1 km	1 AU	none	0°	1 year 365 days	1 day 24 hrs.	23.5°	1 kg	5.5 g/cm^3	78% Nitrogen 21% Oxygen	Water Mountains Valley Plateau	1 bar	288K	Moon
Mercury	less than 1/2 of Earth	.4 AU	Mariner 10 Messanger	7°	88 days (fast)	59 days is 1 rotation (slow)	0°	1/20th	5.42 g/cm^3	almost no atmosphere	Impact craters Caloris Basin Scarps (cliffs) crater rays	0 bar	AVG. 452 K	None
Venus sister planet	9/10th of Earth	.72 AU	Mariner 2, 5, 10 Pioneer Venus Magellan Venera - 30 min	3.4°	224 days	243 days (Slow)	178°	4/5th	5.25 g/cm^3	Carbon dioxide 97%	Mona Lisa crater Sif Mons -largest volcano lava domes volcanoes mostly flat Ishtar terra Aphrodite terra	92 bars	755K	None
Mars	1/2 of Earth	1.5 AU	Mariner 4 Viking 1 & 2 Pathfinder Spirit Opportunity Curiosity	1.9°	687 days	24 hrs 37 min 24.6 hrs	25°	1/9th	3.94 g/cm^3	95% Carbon dioxide 2.7% Nitrogen	Face on Mars Tharsis Polar ice caps Olympus Mons -largest volcano mariner valley	.007 bars	210K	2 Moons • Phobos -bigger, closer -Stickney crater • Deimos -smaller, farther away