

Period \_\_\_\_\_

Name \_\_\_\_\_

Sun		~110x Earth's dia. (1.4 million km); 333,400x Earth's mass - 99.9% of solar system's mass; composition ~92% H, ~8% He; thermonuclear fusion produces energy
Mercury	none	smallest of terrestrials ~1/3 Earth; 75% impact craters; almost no atmosphere
Venus	none	similar to Earth in size, mass & gravity; rotates east to west; dense atmosphere -- mostly CO2
Earth		geologically active; >70% ocean surface; air = 78% N2, 21% O2; tilted 23°; 150 million km from sun (1 AU)
	Moon	1/4 Earth's diameter; ~386,000 km away; orbital period = 27.3 days
Mars		
	Phobos & Deimos	
Jupiter		
	Io	
	Europa	
	Ganymede	
	Callisto	
Saturn		
	Titan	
Uranus		
	Titania, Oberon, Umbriel, Ariel, Miranda	
Neptune		
	Triton	
Pluto		
	Charon	
comets		
asteroids	Ceres	
meteoroids		
meteorites		
Kuiper Belt		disc-like zone beyond Neptune (30 - 50 AU from sun); thousands of icy objects (including Pluto & Planet X); source of some comets
	Quaoar, Orcas, "Easterbunny"	large KBOs; planetoids with diameters 50-75% of Pluto's
	2003 UB313	"Planet X"; larger than Pluto; distance from Sun varies between 38 - 98 AU; has small moon
Sedna		planetoid of the inner Oort Cloud (area beyond Kuiper Belt); estimated ~3/4 the size of Pluto; orbits sun every 10,500 yrs, at distance of 76 - 86 AU
Oort Cloud		billions of icy bodies surrounding Solar System; 5,000 - 100,000 AU from sun; source of long-period comets (periods >200 yrs);