Q. What is Son? Inhat are the parts and atmosphere of the Sun? Qualité is Planet? Discuss the eight Planets? Qualité short note on dwarf planet Pluto? Qualitat is asteroid, comet, and meteoroid? Parts of solar system? Discuss the different

Solar System:

The Solar System consists of the sun, planets, dwarf planets, moons, an asteroid belt lasteroids, comets, moons, meteors I meteoroids etc. The words 'solar system' refer to the Sun and all the objects that travel around it. The Solar system is around 4.5 billion years old. It formed out of a huge cloud of gas and dust called the solar nebula (A nebula I nebulae is a distinct body of interstellar clouds - consist of course gases.) [Examples of Nebula: Cat's tye Nebula, The amega Nebula, The Horsehead Nebula? Under gravity, the clouds collapsed and the material formed the Sun and a disc of matter in which the planets were born. Give main heading first

PLANET :-

Planet is the term used for a body orbit around the Sun. The word comes from the Gireek "planetes, which means "wanderers". Our solar system has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. Pluto, which was considered a planet some years ago, is now classified as dwarf planet.

Mercury, Venus, Earth and Mars are the planets

Closest to the Sun-They are alled the inner planets, and also
called vocky or terrestrial planets because they are made
up mostly of vocks. They are very small is size as
compared to the order planets, called inferior planets.

Topiter, Saturn, Uranus and Neptune are order planets also

called Tovian [Tupitor like] about herein there are the		a It is the downst votesting planet and remain period is 243 earth days
ive size. All order planets are also called gastous planets		with distance from the sun is 0.703 AU.
because they have an atmosphere of hydrogen and believe		12 14 140 15 12101 1811
and they are heavy rings.		The second secon
		A The main flave on the Centres is 15 7 5
Terrestrial Planets	Jovian Planets	a The mass is Cost times must be wass of me existin wall
Mercuy News Esith and Mors	Two ter Seture Wrance and Hymne	it has no man. a. It is wrapped inck clouds of CO2 and it is the
· Close to Sun	· Fax from Son	a. It is wrapped mick clouds of CO2 and it is the
. Small masser and radii	· Large masses and rachit	torsed along to the solar system.
· Rocky , solid surfaces	· Co move surface	in It is the nearest neighbor of the earth among: the isolar
	Low densities	femily.
	· Fast -otechion	
	· Strong Managnetic field	s. Earth :-
	· Many lings	
	· Many moons	1- Earth is the 3rd planet of solar system.
		a It's distance from the sin is 1 All 1149, Goo, and King.
2 Mercury =		3- Its diameter is 12756 Km.
		4-TES votation period is 23 hours 56 minutes 4 seconds.
1- Mercury is the nescest planet to the senson.		s. It's years consists of 365.25 days (revolution period).
1. It's distance from the sun is 0.387 AU (57,900,000 km).		& Average temperative on the surface of the earth is 15%
3- Its diameter is 4880 Km-		and it has one moon.
- Its rotation period is 59 earth days.		7- Earth surface is vil silicon, abuninum, ivan, etc.
The year consists of 88 earth day Trevolution period).		8- It has atmosphere which consists of Nitrogen, oxygen,
Temperature on the mercury ries from 420°C to-180°C.		etc.
the mass is 0.06 times than the mass of the earth.		9- It is the 5th Largest planet and the only planet
		askana Boto Astala
It is the festest vevolving pl	Keep the	
The last of almost and the	description	n of Mars :-
- It has no almosphere.		
Varia	these nea	dings is the 4" planet of solar system and 2"
- Venus :-	a bit brief	smallest planet.
and the		3- Its distance from the sun is 1.5 AU 1007, 900,000 km
Venus is the 2" planet of solar system.		3- Its diameter is 6794 Km and its ratation period
It is also called morning st	are and twin of the earth.	1 3 11 CHRIMERS IS STILL WITHOUT TO THE TOTAL OF THE TOTA
THE PROPERTY OF STREET STREET	THE REAL PROPERTY AND ADDRESS OF THE	

15 25 hours. 6- Its mass is 95 times than the mass of the earth, 4- Its year consists of 687 earth says (revolution period). land it has 146 moons in its orbit. 5- Average temperature on the stace of the Mars is 7-Its main feature is its rings, which have the appearance -63 °C 6 of a large extremely thin and circular sheet. 6- Its mass is all time than the mass of the earth 18- It is the 2rd Jargest planet of solar system. and it has to hooms. 7- Its surface is covered with red dust. 7. Uranus :-8- It is Known as the Red Planet. 1- Uranus is the 7th planet of solar system, and it is s. Jupiter :also known as green planet. 2- Its distance from the sun is 1918 AU (2871,000,000 Km). 1- Jupiter is the 5th planet of solar system. 3- Its diameter is 51,118 Km, and votation period is 2- It's distance from the sun is 5.2 AU 1778, 400,000/. 17 hours 3 Its diameter is 140,000 km, and its rotation period 4-Its year consists of 30681 eath clays Iverdullon period). is 10 hours. 5- Average temperature on the surface of popular is 4- It's year consists of 4336 goth days (revolution jevice) Uranus is - 97%. :5- Average temperature on the offace of the Jupiter is 6- Its mass is 14.5 times than the mass of) the earth, -110°C. and it has 27 moons. 16- Its mass is 318 times than the mass of the earth. 7- Its surface is covered with Helium and Hydrogen.
17- Jupiter has 79 moons 80 to 95 moons. 28- It's surface is covered with abouts of Hydrogen and 8- Neptune: 4 Helium . 19-It is the largest planet of solar system. 1- Neptune is the 8th planet of solar system, and it is * the slowest vevolving planet. 6 Saturn = 2- Its distance from the sun is 30 AU 14,498,000,000 Km 3-Its cliameter is 49532 Km and votation period is 21- Jatum is the 6th planet of solar system. 16 hours. 4- Its year consist of 60 13 earth days Irevolution periodi-92- Its distance from the sun is 9.5. All [142,000,000]. 3- Its diameter is 120,000 km, and its votation period s. Average temperative on the surface of the Neptune 15 -200°C. at is 11 hours. 4- Its year consists of 10,760 earth days revolution period 6- Its mass is 17.2 times than the mass of the earth.

15 Average temperature on the surface of the Satorn 7- Neptune has 14 moons. 8- It is known as the twin of Uranus due to diameter 1 is -140°C.

and mass similarities a- Comets :-9- Pluto = A cornet is a celestial body that orbits around the sun. It is made up of a nucleus (solid foren ice, gas and dust , a gerseens come just a repour. Con and 1- Pluto is now considered a dwarf planet, which also other gases and a tell the and ionized gases for Its makes it the lengest during planet. long tail of gase and dus always points enday gram 8- Another origue observation is that one of its moon, charen, The sun, because of the force of the solan wind. The is considerably big fin ratiof as compared to the tail can be up to 250 million km long. Dignet Hoelf. 3- Pluto spends a small time favoured so earth years) of its 248 earth years orbit, insite that of Neptone, comets are only visible when they are new the thereby making it closes to on than Neptune. so in their highly eccentric cribits. When comets we 4- Pluto also have a substantial amount of Moons [5], of othest from sun, they are named dity growballconsidering it is so the itself.

5- Since its also very is 1980, it yet has to complete a single orbit or in the Sun. He ley's Comet is a periodic comet that orbits exami the sun. Edmund Halley was the first person to ver quize that it is periodic. It was last seen in 6. It has more water fin the form of ice I than all of the 1985 and will be seen next in the 2061; its oceans on Earth combined, and also smaller their a period is 75 years. number of moons, including Earth's. 7- It's one of the few planets to have toeen disvoved, 3- Meteovoids :way before being actually observed. It was thought to have existed because of the slight deviations in the orbits of A meteovoid is a small body travelling through space. These bodies typically originate from comets and Cranes and Neptyne : Solon - System = asteroids. There is no well defined size range for a meteorbic. However, we usually refer to meteoroid Jeanus as a piece of matter, witch when it strikes the Earth's atmosphere produces the visual phenomenon called meteore A frequent that survives to kit the ground is known as a meteorite. 10thirt

4- Sun :-3- Convective or Convection Zone: 1- The Sun is the largest object in the solar system and contains more than 99.8% of the total mass of the 1- The convection zone is the order-most layer of the interior-Solar System. 2- It comprises about 2% of the Son's mass, and it occupies 3- The Sun has 78% hydrogen, 28% helion and 2% metals.
3- Its radios is 432, 450 miles 36,000 km/3, which makes its diameter of 864,938 miles [1-392 million nearly 2/3vds of the volume. 3. At the surface, the temperature drops to about 5700 degrees Kelvin [9800 degrees F] and has a density capproximately 6.29 /m3. 4. These region also called the small magnetic fields over the 4. The Son's circomference is about 2,715,396 miles surface of the sun due to the differential convection of 14,370,006 Km]. | Space.com, How Big is the Sun? Jan 21,2027 Not require Zone : PARTS OF SUN : Connective Zone Subscriface flows 1- Core : Sun Spots 1- The care is at the center. I is the hottest region, where the nuclear fusion reactions that power the Sun occur. Chromosphere 3- The core of the sun is considered to extend from the centre to about 25% of solar lichius. 3. It has a density of about 15% times the density of water. ATMOSPHERE OF SUN 4- The cove is the only section of the sun that produces heat through jusion and the temperature is 15 million degree Celsius 1- Photosphere: a The Radiative Zone: 1- The photosphere, the sun's innermost layer observable directly, emits most energy, aptly named "sphere of light," with sunlight taking It's name is derived from the way energy is covered outward eight minutes to reach Earth. through this layer, carried by photons as thermal radiation. 2- Photosphere's tem terreture: 11,000 ,460 Begrees fra Fahrenheit 2- It is from 25% to 0% of the solar vactius. [6,125 - 4,125°C], cooler you sun's cove, reaching 27 million F 3- The radiative moderical in hot and dense enough that thermal 15 million C | pr NOA. vactation transfers the intense heat of the core outwards. 3- Photosphere: 300 miles thick, a fraction of the sun's vast 435,000 mile vacius. Space tem, the sun's atmosphere : Photosphere.

a- Chromosphere:

- 1- Chromosphere is a reddish and glowing layer of gas.
- 2- It is actually transition between cover and the photosphere.
- 3- It is about 2,000 to 3,000 Km seep, located immediately above the photosphere and bjust how the covering.

action to water is

- 4- The chromosphere can be only seen during a complete solar eclipse.
- 5. Chromosphere's temperature vanges from 3.000 to 20,000 clegree Celsius. reconomictimes com, when is Chromosphere?

3- Corona:

- 1. The highest part of the solar system atmosphere is called
- at photosphere. around 10,000 Km above the solar
- 3- At 20,000-25,000 Km away from the solar surface the covong has an average temperature of 1,000,000 to 2,000,000 million degree Celes.
- The density very dow, about 1 billion times less dense than water.
- 4- A coronal hole is an area on the ower atmosphere where the solar magnetic field opens up and allows high-speed solar wind to escape into space.

This is too lengthy answer. Shorten it or will greatly affect your time management. 2-3 pages are enough for a single Astevoids are answerd rocky body mit orbits the Son, non-planetary and non-Lunar objects in the solar system. Most asteroids are found in the in asteroid belt, a region between Mars and Jupiter These objects are larger than 100 metres in diameter and less than 1000 Km in diameter. In size they our many from the size of a pelible to bodies as large as ducing planets Asteroids entering Earth's atmosphere, surviving the journey, and landing on Ecoth are called meteovites. The largest asteroid is Ceves, with a diameter of 950 km.