## **The Sun**

	<b>duction</b> In is one of more	than	stars in our galaxy	. The Sun is
			and is viewe	
			,,	
	·			
The S	un is over	times the size	of Earth's	_ and in terms of its
mass,	the sun is 333,00	00 times more	than Earth.	
Meas	urements for	Large Distances		
		_		
2.				
	-			
The S	tructure of the S	Sun		
1.	The Core			
	Temperature :			
		is created in the core	when of	fuse to
	make helium via	·		
2.	Radiative Zone			
	Temperature:			
	Passageway for	from	the core to move via	·
3.	Convective Zon	e		
	Temperature:			
			_from interior rise toward cool	
	for re-heating.	_ via convection. Cool	led gasses then sink back to _	
А	The Photospher	ro		
4.	The Photosphe			
		e is the	— and appear	s as a luminous laver of
			and appear	
	5 5			

•			
		part of the Sun'	c
it exterius triousarius or kiii	ometers above the	±	·
The Corona			
Temperature:			
		of the Sun's	It is 1 million
		·	
ures of the Sun			
oots – within the photosp	here		
Dark, irregular patches on	the		
than surro	ounding gases		
Magnetic "	_" with strong mag	netic fields	
Small spots may be active	for hours or days	, while big spots may be a	ctive for months
	•		
Prominances – within the	chromosphere		
	<del>-</del>		
Huge, arching shapes of	hel	d in by the Sun's	
		d in by the Sun's the Sun	
Violent	floating above		
	floating above		
Violent Reach speeds of up to 600	floating above ) – 1000 km/s		
Violent Reach speeds of up to 600	floating above 0 – 1000 km/s nosphere	the Sun	
Violent Reach speeds of up to 600  Flares – within the chrom Massive eruptions of	floating above 0 – 1000 km/s nosphere (us	the Sun ually at the peak of a suns	
Violent Reach speeds of up to 600  Flares – within the chrom Massive eruptions of partic	floating above 0 – 1000 km/s  nosphere (uscles shoot and rad	the Sun ually at the peak of a suns iate out into space	pot cycle)
Violent Reach speeds of up to 600  Flares – within the chrom Massive eruptions of	floating above 0 – 1000 km/s  nosphere (uscles shoot and rad	the Sun ually at the peak of a suns iate out into space	pot cycle)
Violent Reach speeds of up to 600  Flares – within the chrom Massive eruptions of partic	floating above 0 – 1000 km/s  nosphere (uscles shoot and rad	the Sun ually at the peak of a suns iate out into space	pot cycle)
Violent Reach speeds of up to 600  Flares – within the chrom Massive eruptions of partic	floating above 0 – 1000 km/s  nosphere (uscles shoot and rad	the Sun ually at the peak of a suns iate out into space	pot cycle)
Violent Reach speeds of up to 600  Flares – within the chrom Massive eruptions of partice Some reach Earth's Winds	floating above 0 – 1000 km/s  nosphere (uscles shoot and rad	the Sun ually at the peak of a suns iate out into space interfere with radio commu	pot cycle) unications or affect
Violent Reach speeds of up to 600  Flares – within the chrome Massive eruptions of partice. Some reach Earth's   Winds  Holes at the	floating above 0 – 1000 km/s  nosphere (uscles shoot and rad and in the coron	the Sun  ually at the peak of a suns iate out into space interfere with radio commu	pot cycle) unications or affect
Violent Reach speeds of up to 600  Flares – within the chrome Massive eruptions of partice. Some reach Earth's   Winds  Holes at the Particle wind blows past	floating above 0 – 1000 km/s  nosphere (us cles shoot and rad and in the coron	the Sun  ually at the peak of a suns iate out into space interfere with radio commu	pot cycle) unications or affect o escape
	The chromospheres is the It extends thousands of kill.  The Corona Temperature: The corona is the times space, beyond  ures of the Sun tots – within the photosp Dark, irregular patches on than surred Magnetic " Small spots may be active	Temperature: The chromospheres is the It extends thousands of kilometers above the The Corona Temperature: The corona is the then the p space, beyond orbit.  ures of the Sun orbit.  ures of the Sun orbit.  but a surrounding gases or the than surrounding gases Magnetic " " with strong mag Small spots may be active for hours or days are prominences — within the chromosphere or the chromo	Temperature: part of the Sun' It extends thousands of kilometers above the  The Corona  Temperature: of the Sun's times then the photosphere and extends nots - within the photosphere  Dark, irregular patches on the than surrounding gases  Magnetic " " with strong magnetic fields  Small spots may be active for hours or days, while big spots may be active.