Sun  
   
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The Sun is the star at the centre of the Solar System. It is a massive, nearly perfect sphere of hot  
plasma, heated to incandescence by nuclear fusion reactions in its core, radiating the energy from its  
surface mainly as visible light and infrared radiation with 10% at ultraviolet energies. It is by far the most  
important source of energy for life on Earth. The Sun has been an object of veneration in many cultures  
and a central subject for astronomical research since antiquity. The Su