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

## Wikipedia Excerpt: Deep learning

In machine learning, deep learning focuses on utilizing multilayered neural networks to perform tasks such as classification, regression, and representation learning. The field takes inspiration from biological neuroscience and is centered around stacking artificial neurons into layers and "training" them to process data. The adjective "deep" refers to the use of multiple layers (ranging from three to several hundred or thousands) in the network. Methods used can be supervised, semi-supervised or unsupervised.  
Some common deep learning network architectures include fully connected networks, deep belief networks, recurrent neural networks, convolutional neural networks, generative adversarial networks, transformers, and neural radiance fields. These architectures have been applied to fields including computer vision, speech recognition, natural language processing, machine translation, bioinformatics, drug design, medical image analysis, climate science, material inspection and board ga