Big Bang  
   
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The Big Bang is a physical theory that describes how the universe expanded from an initial state of high  
density and temperature. Various cosmological models based on the Big Bang concept explain a broad  
range of phenomena, including the abundance of light elements, the cosmic microwave background  
(CMB) radiation, and large-scale structure. The uniformity of the universe, known as the horizon and  
flatness problems, is explained through cosmic inflation: a phase of accelerated

## 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