Black hole  
   
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A black hole is an astronomical body so dense that its gravity prevents anything from escaping, even  
light. Albert Einstein's theory of general relativity predicts that a sufficiently compact mass will form a  
black hole. The boundary of no escape is called the event horizon. In general relativity, a black hole's  
event horizon seals an object's fate but produces no locally detectable change when crossed. In many  
ways, a black hole acts like an ideal black body, as it refle

## 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