Biotechnology  
   
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Biotechnology is a multidisciplinary field that involves the integration of natural sciences and  
engineering sciences in order to achieve the application of organisms and parts thereof for products  
and services. Specialists in the field are known as biotechnologists. The term biotechnology was first  
used by Károly Ereky in 1919 to refer to the production of products from raw materials with the aid of  
living organisms. The core principle of biotechnology involves har

## 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