Recycling  
   
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Recycling is the process of converting waste materials into new materials and objects. This concept  
often includes the recovery of energy from waste materials. The recyclability of a material depends on  
its ability to reacquire the properties it had in its original state. It is an alternative to "conventional" waste  
disposal that can save material and help lower greenhouse gas emissions. It can also prevent the  
waste of potentially useful materials and reduce the consumptio

## 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