Protein  
   
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Proteins are large biomolecules and macromolecules that comprise one or more long chains of amino  
acid residues. Proteins perform a vast array of functions within organisms, including catalysing  
metabolic reactions, DNA replication, responding to stimuli, providing structure to cells and organisms,  
and transporting molecules from one location to another. Proteins differ from one another primarily in  
their sequence of amino acids, which is dictated by the nucleotide sequence of

## Wikipedia Excerpt: Image processing

Digital image processing is the use of a digital computer to process digital images through an algorithm. As a subcategory or field of digital signal processing, digital image processing has many advantages over analog image processing. It allows a much wider range of algorithms to be applied to the input data and can avoid problems such as the build-up of noise and distortion during processing. Since images are defined over two dimensions (perhaps more), digital image processing may be modeled in the form of multidimensional systems. The generation and development of digital image processing are mainly affected by three factors: first, the development of computers; second, the development of mathematics (especially the creation and improvement of discrete mathematics theory); and third, the demand for a wide range of applications in environment, agriculture, military, industry and medical science has increased.