Supernova  
   
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A supernova (pl.: supernovae) is a powerful and luminous explosion of a star. A supernova occurs  
during the last evolutionary stages of a massive star, or when a white dwarf is triggered into runaway  
nuclear fusion. The original object, called the progenitor, either collapses to a neutron star or black  
hole, or is completely destroyed to form a diffuse nebula. The peak optical luminosity of a supernova  
can be comparable to that of an entire galaxy before fading over several

## Wikipedia Excerpt: Artificial intelligence

Artificial intelligence (AI) is the capability of computational systems to perform tasks typically associated with human intelligence, such as learning, reasoning, problem-solving, perception, and decision-making. It is a field of research in computer science that develops and studies methods and software that enable machines to perceive their environment and use learning and intelligence to take actions that maximize their chances of achieving defined goals.  
High-profile applications of AI include advanced web search engines (e.g., Google Search); recommendation systems (used by YouTube, Amazon, and Netflix); virtual assistants (e.g., Google Assistant, Siri, and Alexa); autonomous vehicles (e.g., Waymo); generative and creative tools (e.g., language models and AI art); and superhuman play and analysis in strategy games (e.g., chess and Go). However, many AI applications are not perceived as AI: "A lot of cutting edge AI has filtered into general applications, often without being calle