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