

# How the solar system was created





## Overview

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The nebular hypothesis says that the Solar System formed from the of a fragment of a giant , most likely at the edge of a . The cloud was about 20 (pc), or approximately 65 (ly) across, while the fragments were roughly 1 pc (~3.26 ly) across. The further collapse of the fragments led to the formation of dense cores 0.01-.



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[Solar system . Definition. Planets. Diagram. Videos.](#)

3 ???· How did the solar system form? Scientists have multiple theories that explain how the solar system formed. The favoured theory proposes that the solar system formed from a solar nebula, where the Sun was born out of a ...

[Origin of the Solar System . Astronomy](#)

Taken together, the members of the solar system preserve patterns that can tell us about the formation of the entire system. As we begin our exploration of the planets, we want to introduce our modern picture of how the solar system ...



### Solar system

3 ???· In the ancient world, theories of the origin of Earth and the objects seen in the sky were certainly much less constrained by fact. Indeed, a scientific approach to the origin of the solar system became possible only after the ...

[Solar System - how it was formed, the sun, planets, ...](#)

Our solar system was created approximately 4.5 billion years ago. It was a single dense gaseous cloud filled with dust and various elements that



were spurred into action to collapse in on itself.



[READ: How Our Solar System Formed \(article\) , Khan Academy](#)

In 2007, researchers at the University of California-Davis determined that our Solar System was fully formed at 4.568 billion years ago. They did this by determining the age of stony materials ...



## Nebular hypothesis

The nebular hypothesis is the most widely accepted model in the field of cosmogony to explain the formation and evolution of the Solar System (as well as other planetary systems). It suggests the Solar System is formed from gas and ...



[How Was the Solar System Formed? A Beginner's Guide](#)

The widely accepted theory about the formation of the solar system is the Nebular Hypothesis, which states that it was formed by the gravitational collapse of a massive giant cloud called the Solar Nebula.





### [How The Solar System Formed And Evolved!](#)

From Gas To Life! Astronomers believe that the solar system was formed about 4.6 billion years ago when a small part of a large gaseous nebula began to collapse. Over 99.8% of the material condensed into the centre to form the ...



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