

Chemical Solar System





Overview

What is the bulk chemical composition of the Solar System?

The bulk chemical composition of the Solar System is essentially that of the Sun, which is made-up of H (74%), He (24%) and a small fraction (2%) of heavier elements, including rock-forming elements such as, for example, O, Si, Al and Fe.

What are some basic facts about the Solar System?

It includes basic facts about the chemical composition of the different bodies in the solar system, the major chemical processes involved in the formation of the Sun, planets, and small objects, and the chemical processes that determine their current chemical make-up.

What is solar elemental composition?

The solar elemental composition can be expressed as mass fractions or as particle fractions. Chemical abundances in the Sun are generally given as ratios that is relative to a pre-defined quantity (by mass or particle number) of a reference element, which means that a reference element is needed.

How do we find the elemental and isotopic composition of the Solar System?

Data obtained from meteorites, solar wind and corona measurements, as well as helioseismology, and solar neutrinos are briefly reviewed. The elemental and isotopic composition of the solar system is derived by combining the solar and meteoritic data. The cosmochemical and astronomical abundance scales are described.



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An introduction is presented to the chemistry of the solar system. The qualitative and quantitative elemental analysis of the solar system is reviewed, and the elemental synthesis processes ...

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Chemical element

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[The Chemical Composition of the Solar System](#)

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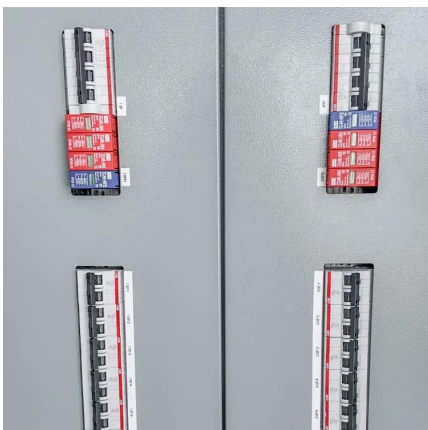
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The chemical composition of Solar System objects

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