

# Overview of Mars

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## Abstract

Mars, the fourth planet from the Sun, has been extensively studied through significant missions, including flybys, orbiters, landers, and rovers. This overview has explored the various aspects of Mars. The Martian dichotomy, one of the fundamental features of Mars has intrigued planetary researchers. Localized crustal fields have the potential to unveil details about Mars' ancient dynamo. The loss of Mars' atmosphere over time has been a critical factor shaping its present-day conditions. Ongoing research, fueled by missions like MAVEN (Mars Atmosphere and Volatile Evolution), seeks to unravel the mechanisms responsible for its atmospheric loss.