

Chinese scientists use lunar soil to produce water, state media reports

BEIJING, Aug 22 (Reuters) - Chinese scientists have discovered a "brand-new method" of producing large quantities of water using lunar soil brought back from a 2020 expedition, state broadcaster CCTV reported on Thursday.

In 2020, China's Chang'e-5 mission marked the first time humans retrieved lunar samples in 44 years. Researchers from the state-run Chinese Academy of Sciences discovered that the minerals in this 'moon soil' contain large amounts of hydrogen, which reacts with other elements when heated to very high temperatures, producing water vapour, CCTV reported.

"After three years of in-depth research and repeated verification, a brand-new method of using lunar soil to produce large amounts of water was discovered, which is expected to provide important design basis for the construction of future lunar scientific research stations and space stations," said CCTV.

The discovery could have important implications for China's decades-long project of building a permanent lunar outpost amid a U.S.-China race to find and mine the moon's resources.

Continue reading [HERE](#)

Source:

<https://www.reuters.com/science/chinese-scientists-use-lunar-soil-produce-water-state-media-reports-2024-08-22/>

[Disclaimer]