



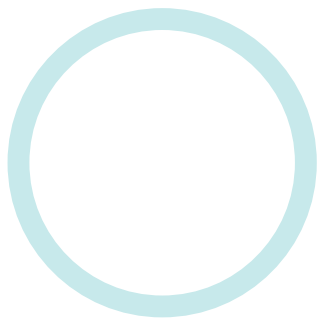
PROMETHIUM

Pm

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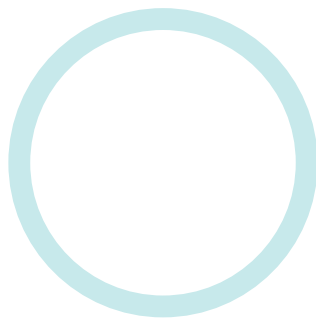
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RARE



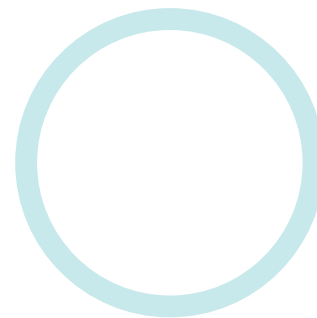
One of the rarest elements on Earth, promethium is a radioactive metal that is found in trace amounts in uranium ores. It is named after the Greek god Prometheus, who stole fire from the gods and gave it to humanity.

ATOMIC BATTERIES



Promethium-147 is used in atomic batteries, which are small, long-lasting power sources. These batteries are used in space exploration, medical implants, and remote sensing equipment. The first atomic battery was developed in 1970.

STAR SYNTHESIS



Promethium is synthesized in stars through the s-process, a series of neutron capture reactions that occur in the cores of stars. It is also found in the spectra of stars, such as HR465 (Antares), where it is used as a spectral indicator.