

URANIUM ENERGIZES THE WORLD

WHAT IS URANIUM?

Uranium is an element that gives off energy known as radiation. It formed 6.6 billion years ago when a star exploded! You can find tiny amounts of uranium in many of the rocks on Earth. Over time, solutions concentrated uranium into the ore deposits we mine today.

Uranium is a critical mineral used worldwide to produce nuclear fuel for safe, reliable, clean-air electricity.

WHY IS IT IMPORTANT?

Uranium is also used for:
Treating Cancer
X-ray Machines
Preserving Food
Space Rovers
Submarines

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238.03
Uranium

HOW IS IT MINED?

Due to the high grade deposits, uranium is mined underground using robotics and operators who control them remotely. Future deposits may also be mined by dissolving the uranium in a solution and re-precipitating it at surface.

WHERE IN SK?

The world's highest grade uranium is found in northern Saskatchewan's Athabasca Basin.

DID YOU KNOW?

SaskPower is exploring the use of Small Modular Reactors (SMRs) to provide clean & reliable electricity to Saskatchewan by the mid 2030s.

DID YOU KNOW?

Radioactive decay of uranium is the main source of heat inside the Earth, creating convection causing earth movement.

What are the layers of the Earth?

