

GADOLINIUM

Meaning: Gadolinium is a silvery-white metallic element with the atomic number 64, commonly used in medical imaging as a contrast agent and valued for its unique magnetic properties in technology.

1. Gadolinium is often used as a contrast agent in magnetic resonance imaging.
2. The unique magnetic properties of gadolinium make it valuable in various technological applications.
3. Researchers are exploring the potential of gadolinium-based compounds in cancer treatment.
4. Gadolinium occurs naturally in certain minerals, though it is typically extracted for industrial use.
5. Due to its high neutron capture cross-section, gadolinium is utilized in nuclear reactors.

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