

FISSILE

Meaning: Fissile refers to a material capable of sustaining a nuclear fission chain reaction, typically used in nuclear reactors.

1. Fissile materials such as uranium-235 and plutonium-239 are essential for nuclear reactors.
2. The scientists conducted experiments to determine the efficiency of the fissile substance in generating energy.
3. In nuclear physics, a fissile isotope is one that can sustain a chain reaction when bombarded with neutrons.
4. The safety protocols for handling fissile materials are strictly regulated to prevent any potential hazards.
5. Understanding the properties of fissile elements is crucial for advancements in nuclear technology and energy production.

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