

DIAMAGNETISM

Meaning: Diamagnetism is the property of certain materials to create a magnetic field that opposes an external magnetic field, resulting in a repulsive effect.

1. Diamagnetism is a phenomenon where certain materials create a magnetic field in opposition to an externally applied magnetic field.
2. In the presence of a strong magnetic field, diamagnetism can cause materials like bismuth and graphite to repel the magnetic force.
3. Scientists study diamagnetism to understand the behavior of materials at the atomic level and their interactions with magnetic fields.
4. Unlike ferromagnetism, which involves a permanent magnetic moment, diamagnetism is a weak and temporary response.
5. Applications of diamagnetism can be seen in magnetic levitation technologies, where objects can be made to float above magnetic surfaces.

Source: sentences.whatistheurl.com

<https://sentences.whatistheurl.com/sentence/diamagnetism>