

CRYSTALLOGRAPHY

Meaning: Crystallography is the scientific study of the arrangement of atoms in crystalline solids, often using techniques such as X-ray diffraction to analyze molecular structures.

1. Crystallography has played a pivotal role in understanding the molecular structure of complex compounds.
2. The research team utilized X-ray crystallography to determine the arrangement of atoms in the new material.
3. In many fields, including chemistry and biology, crystallography is essential for elucidating the properties of substances.
4. Recent advancements in crystallography have led to breakthroughs in drug design and development.
5. Students of chemistry often find crystallography to be a fascinating intersection of art and science.

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