



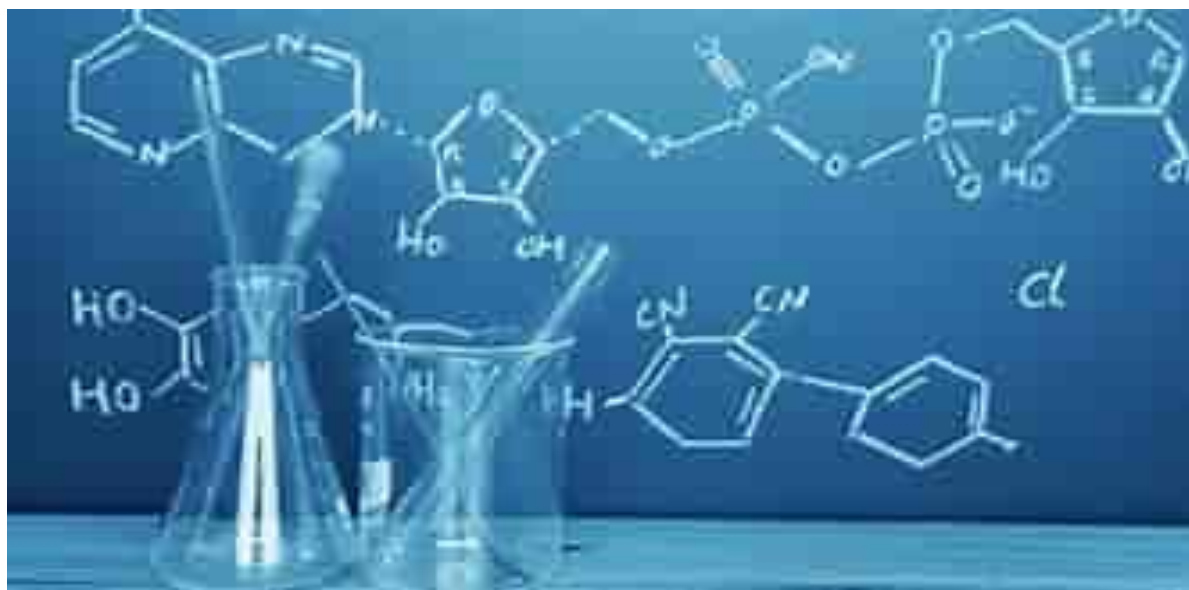
Al- Mustaqbal University
College of Science
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First Stage



جامعة المستنقب
AL MUSTAQBAL UNIVERSITY

الكيمياء العضوية

المحاضرة الرابعة
التسامي



1. What is Sublimation?

Sublimation is a physical process in which a substance changes directly from the solid state to the gaseous state without passing through the liquid state.



2. Examples of Sublimation

- Dry ice (solid CO_2) turns into gas without melting.
- Camphor and naphthalene sublime at room temperature.
- Ice in an open freezer slowly disappears without melting.

3. Conditions for Sublimation

- Low pressure.
- Suitable temperature (usually below the boiling point).
- Some materials have weak intermolecular forces.

4. Uses of Sublimation

- Purification of solids (e.g., iodine or camphor).
- In sublimation printing technology.
- In the perfume industry and volatile substance storage.

