

Pore separation refers to the process of separating substances based on their ability to pass through pores of a specific size. By understanding the principles of pore separation and the factors that influence it, scientists and engineers can develop innovative solutions for a wide range of applications. Would you like to learn more about a specific application or technique related to pore separation? *

- * **Catalysis:** Designing catalysts with controlled pore structures to enhance reaction rates and selectivity.
- * **Materials synthesis:** Creating materials with tailored pore structures for specific applications, such as adsorption, separation, and energy storage.
- * **Tissue engineering:** Creating artificial tissues with controlled pore structures for cell growth.

Chemistry and Materials Science: *

- * **Membrane filtration:** Separating molecules based on their size using membranes with specific pore sizes.

Key Techniques for Pore Separation: *

- * **Membrane filtration:** Using membranes with specific pore sizes to separate molecules based on size.

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