

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. 2.3