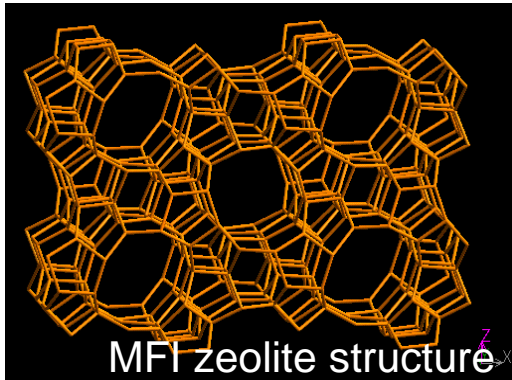
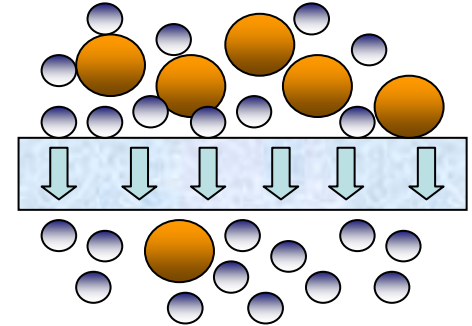


Zeolite Membranes for Demanding Separations

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Molecular-sized pores has separations selectivities greater than 1000 for some mixtures



Applications:

Energy - fuel cell H₂ separation

- hydrocarbon isomer separation

Environmental - CO₂ removal

- Organic removal from water

Research:

Prepare new membranes

- SAPO-34, Beta, B-ZSM-5

- modify membranes

Understand membrane transport

- transient isotope measurements

- mathematical modeling

