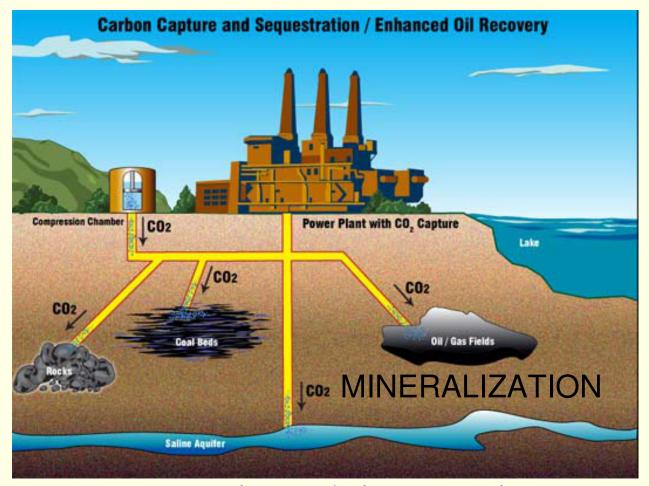
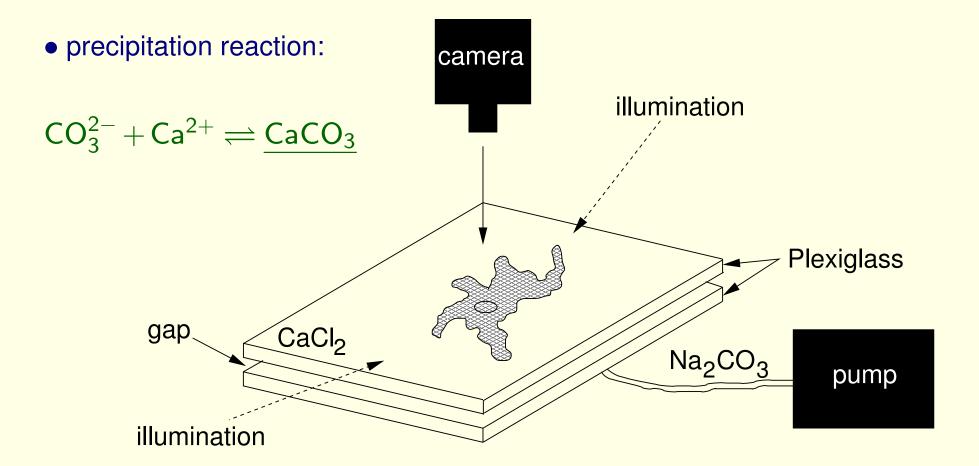
EXPERIMENTAL STUDY OF PATTERN FORMATION DURING CARBON DIOXIDE MINERALIZATION

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www.zmescience.com/carbon capture tech.

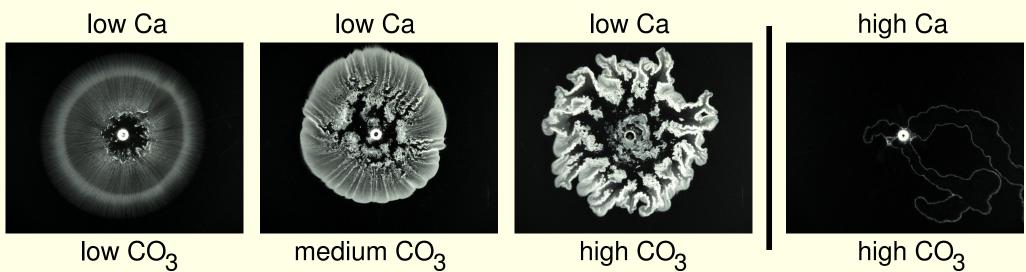
- Influence of pattern formation during carbonate precipitation on storage efficiency
- Study in a simple confined geometry for a better understanding of hydrodynamics



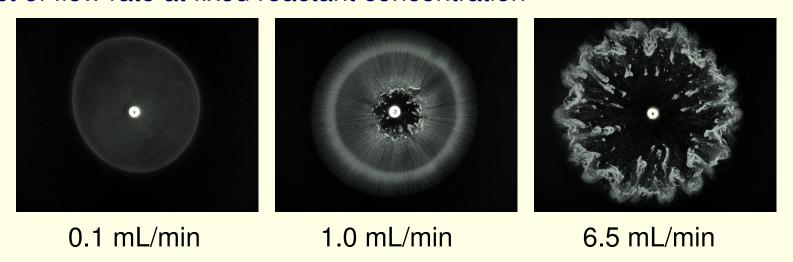
injection of a solution of Na₂CO₃ into a solution of CaCl₂



effect of reactant concentration at fixed flow rate



effect of flow rate at fixed reactant concentration



the amount of precipitate produced (storage efficiency) depends on reactant concentration and flow rate