

(M) "Convert carbon dioxide (CO₂) to calcium carbonate"



- Carbon Capture and Utilization (CCU) technology, which converts CO₂ into valuable products for utilization, is attracting attention as a measure against climate change.
- Among CCU technologies, the mineral carbonation technology, that converts CO₂ into carbonate minerals such as calcium carbonate, has characteristics such as not requiring carbon-free hydrogen, and the market size for the obtained carbonates is relatively large.
- In this class, the technology of mineral carbonation technology can be learned through lectures, group work, presentation, and experiments