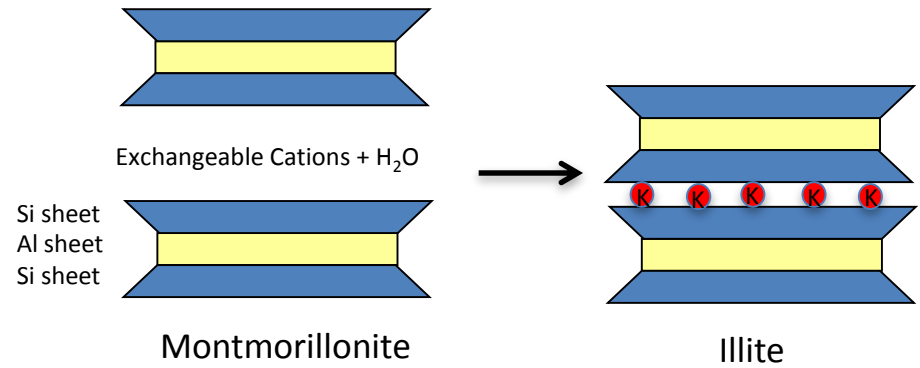


- **Aquathermal pressurization**

- $\Delta T \rightarrow \Delta P$

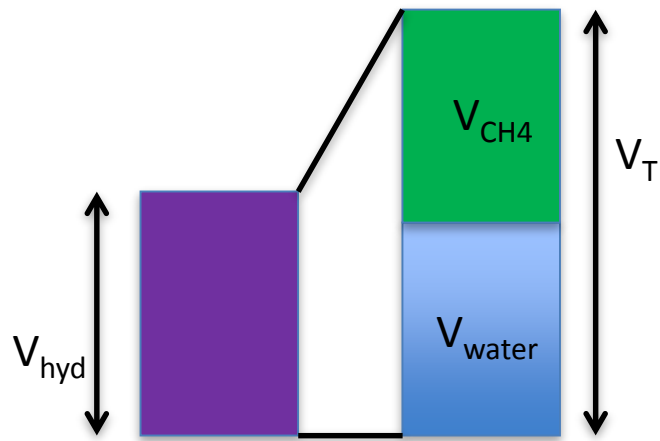
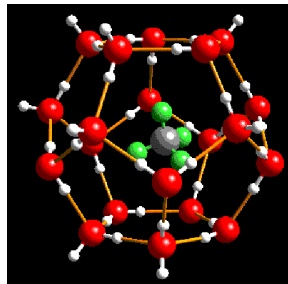
- **Dehydration reactions**

- $\Delta V \rightarrow \Delta P$
 - Montmorillonite to Illite (frees water)



- **Hydrocarbon generation**

- $\Delta V \rightarrow \Delta P$



$V_T/V_{\text{hyd}} \sim 1.3 \text{ to } 6 \text{ at cst. } P$