

surface ocean

CO_3^{2-}
 $\sim 200 \mu\text{mol kg}^{-1}$



water
parcel

inter-
mediate



1x

Dissolved
 CaCO_3



10x

Respired
 CH_2O

ΔCO_3^{2-}
?

Deep

ΔCO_3^{2-}
?



1x

Dissolved
 CaCO_3



1x

Respired
 CH_2O