

Sandstone

Nutrient-poor,
rapid deposition,
low diversity,
low abundance



C o m p a c t i o n



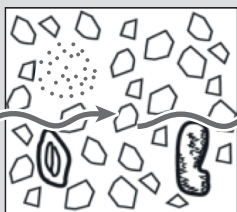
95 % original volume



G r o u n d w a t e r



Porous and
permeable



Dissolution of
aragonitic foraminifera

Silty mudstone

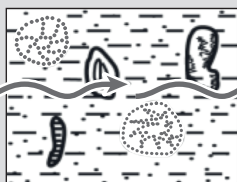
Nutrient-poor,
rapid deposition,
low diversity,
low abundance



85 % original volume



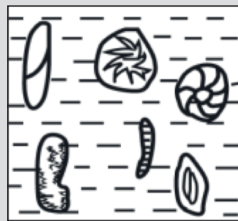
Some porosity and
permeability



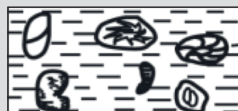
Partial dissolution of
aragonitic foraminifera

Clay

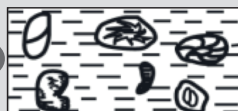
Nutrient-rich,
slow deposition,
high diversity,
high abundance



>50 % original volume



Aquiclude



Preservation of all
foraminifera