



NATURE[®]

NAME: _____

DATE: _____

“CHEMICAL WEATHERING”

STUDENT ORGANIZER ANSWER KEY

Starting Water Temp	Dissolving Time	Ending Water Temp	Avg. Water Temp

- In which temperature range did the antacid tablet dissolve most quickly? ($40\text{-}50^{\circ}\text{C}$)
- In which temperature did the antacid tablet dissolve most slowly? ($0\text{-}10^{\circ}\text{C}$)
- What does this tell us about the effect of temperature on chemical weathering?
(*Chemical weathering is accelerated by higher temperatures.*)
- Based on this conclusion, in what climates/environments would we expect chemical weathering to be most pronounced? (*Hot, rainy, and humid; rainforests.*)