

WATER		SOIL	
Key Concepts:		Key Concepts	
<i>water cycle, groundwater, infiltration, saltwater intrusion, human impact, eutrophication, water availability, quality, chemical/physical/biotic indicators, point & non-point source pollution, local water basins, water treatment & stewardship, current basin concerns, riparian bank health</i>		<i>water cycle, oceans, thermohaline circulation, E transfer, specific heat differentials, types of weathering, weathering & landforms,</i>	
WATER 1: QUALITY		WATER 2: WATER'S ENERGY	WATER 3: SOIL
vulnerable	biological indicators	5 Oceans	weathering
stressed	pathogens	solvent	regolith
scarce	dissolved oxygen	solute	soil
water cycle	anoxia	solution	sand
watershed	turbulence	halite	silt
divide	pH	salinity	clay
river basin	eutrophication	surface zone	soil triangle
run-off	nitrates	thermocline	infiltration
channel	coal ash	deep zone	Nitrogen
gradient	fracking	current	Phosphorus
discharge	GenX	surface current	Potassium
bead load	Yadkin Pee-Dee River Basin	deep ocean current	pH
suspended load	Clean Water Act	density	acid
dissolved load	Safe Drinking Water Act	thermohaline	neutral
delta	sewage treatment plants	El Nino	base
flood plain	primary treatment	La Nina	alkaline
deposition	secondary treatment	upwelling	Cl O R P T
placer deposit	water usage	NOAA	slope
zone of aeration	conservation		parent material
zone of saturation	wetland		residual soil
water table	peat		pedalfer

recharge zone	plastic		pedocal
aquifer	sludge		laterite
porosity	microplastic		soil profile
percolation			soil horizons
permeability			O, A, E, B, R
unconfined aquifer			leaching
confined aquifer			topsoil
spring			contour planting
artesian spring			crop rotation
gaining stream			green manure
losing stream			manure
well			compost
subsidence			pesticide
saltwater intrusion			herbicide
hot springs			biodiversity
geysers			fertilizer
karst topography			organic fertilizer
cave			conservation
pollution			
point-source pollution			
nonpoint-source pollution			
instream conditions			
turbidity			
habitat structure			
dam			
embeddedness			
riparian habitat			
ppm			
thermal pollution			
estuaries			