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**Note-Taking Guide (Cornell Notes)**

Activity Title: Aquatic Ecosystems- Exceeding

Activity Scoreboard					
when finished, circle highest score achieved					
Attempt #	1	2	3	4	5
Date					
Score					

Key Vocabulary Word & definition	Biotic- relating to living things
	Abiotic- relating to non-living things

Cue   Notes	
Extremophiles	<ul style="list-style-type: none"> <li>hydrothermal vents - chemicals (methane + hyd. sulfide), 100's of deg. F</li> <li>food webs exist</li> <li>extreme temp, pressure, acidity, chem.</li> </ul>
Deep Sea Organisms	<ul style="list-style-type: none"> <li>respond to extreme conditions</li> <li>adaptations allow survival</li> </ul>
Abiotic Factors	<ul style="list-style-type: none"> <li>temp, depth, pressure</li> <li>gigantism</li> </ul>
Rising Temperatures	<ul style="list-style-type: none"> <li>affect amount of O<sub>2</sub> in water (less O<sub>2</sub> in warmer water)</li> <li><del>affects</del> affects life cycles - spawning, mating, metabolism, food web</li> </ul>
Dead Zones	<ul style="list-style-type: none"> <li>in lakes and oceans, areas of low O<sub>2</sub> - algal blooms, red tide = toxic</li> </ul>

SUMMARY	<p>Extremophiles live in extreme environments of temp, pressure, acidity, etc. Rising temps affect aquatic life cycles. Dead Zones occur when there's lack of O<sub>2</sub> = toxic.</p>
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