

04/19

## Ecosystems vocab

#1

period 1

Factor	How does it affect the ecosystem	Optimum range for most organisms
pH	Measure of acidity - can limit life.	6.5 - 8.5
Dissolved oxygen	need for organisms to breathe.	8 - 12 ppm.
Temperature	Determines what kinds of organisms live there	5°C - 25°C
Nitrates	needed by plants and animals to build protein.	0.5 - 3 ppm.
phosphates	Ca needed for plant growth	1 ppm.

Learning

Target: community, and ecosystem categories.

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## Ecosystems vocab

#1

Factor (what is it)	How does it affect the ecosystem	Optimum range for most organisms
pH Measures acid levels.	low / High pH too much animals don't survive.	6.5 - 8.5.
Dissolved oxygen O <sub>2</sub> in water.	Need for animals to breathe and break down food.	8 - 12 ppm
Temperature Measure of heat	Stress or death can be caused outside the range.	5 <sup>o</sup> - 25 <sup>o</sup> C
Nitrates nutrient	needed to build protein. it comes from animal waste.	0.5 - 3 ppm
phosphates nutrients in water	comes from eroded rocks	1 - 3 ppm.

Learning  
Target:

I can sort items into biotic, abiotic, individual, population, community, and ecosystem categories.

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## Ecosystems vocab

#1

period 3

Factor What is it?	How does it affect the ecosystem	Optimum range for most organisms
pH Measurement of acid or alkaline.	Low pH kills fish.	6.5 - 8.5.
Dissolved Oxygen in water oxygen	Organisms need oxygen to maintain cells + break down food.	8 ppm - 12 ppm
Temperature Many indicators	Impacts DO <sub>2</sub> . Cold = more O <sub>2</sub> .	5°C - 25°C
Nitrates nutrients.	Less nitrates needed for metabolism + growth	0.5 - (3)
phosphates	!! Too much causes O <sub>2</sub> depletion.	0.05 ppm. 0.5 - (3)

Learning

Target:

community, and ecosystem categories.

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# Ecosystems vocab

#1

period 4

Factor	How does it affect the ecosystem	Optimum range for most organisms
pH		
Dissolved oxygen		
Temperature		
Nitrates		
phosphates		

Learning Target: community, and ecosystem categories.

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Ecosystems vocab

#1

Finish the video

Learning Target: I can sort items into biotic, abiotic, individual, population, community, and ecosystem categories.

