

Q1. What is competition and predation?

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Q2. How would an environmental factor like temperature affect the abundance of species in an ecosystem?

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Q3. What is a Clade and how is it useful to determine species traits?

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Q4. Name two species that are competitive.

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Q5. Explain what a microhabitat is and provide an example.

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Q6. Why are multiple species important for biodiversity?

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Q7. Determine the SDI value for this data:  $SDI = 1 - \left( \frac{\sum n(n-1)}{N(N-1)} \right)$

Species	Frequency	$\sum n(n-1)$
A	11	
B	34	
C	23	
D	45	
	<b>N=</b>	

Q8. Is this ecosystem diverse? Yes or no and why?

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