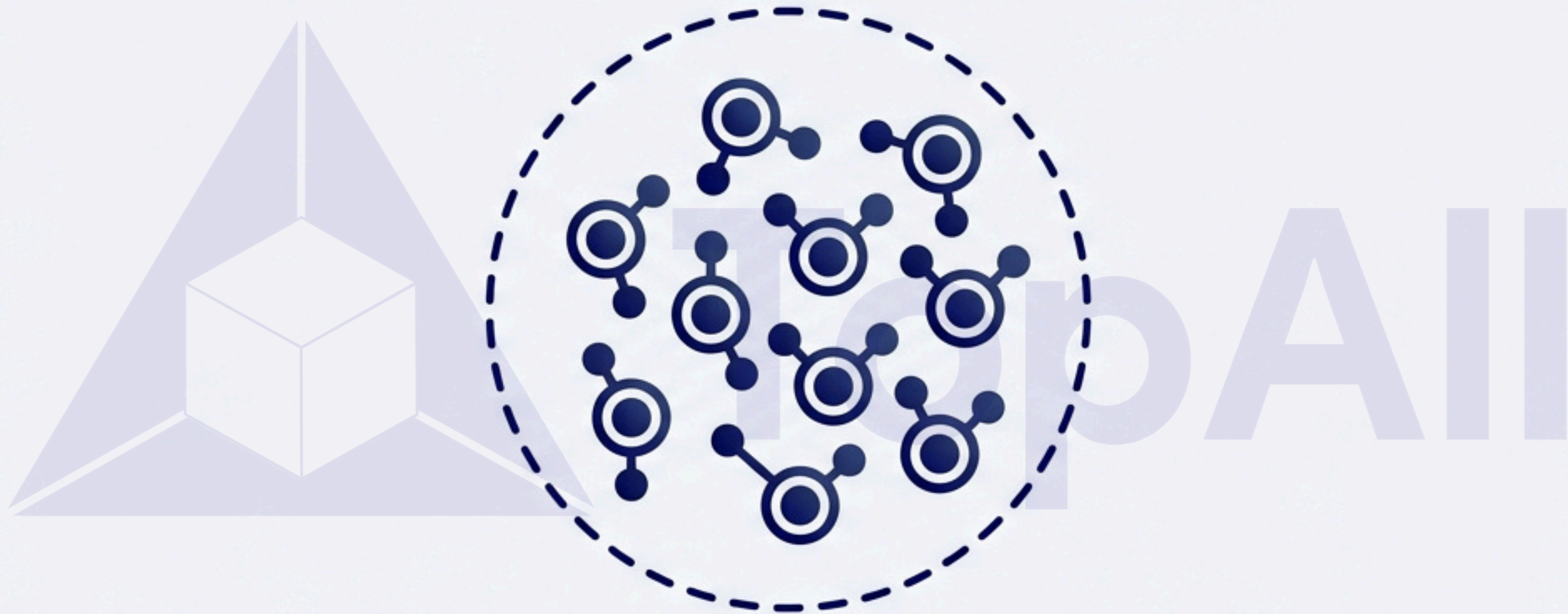


What Is a Population?

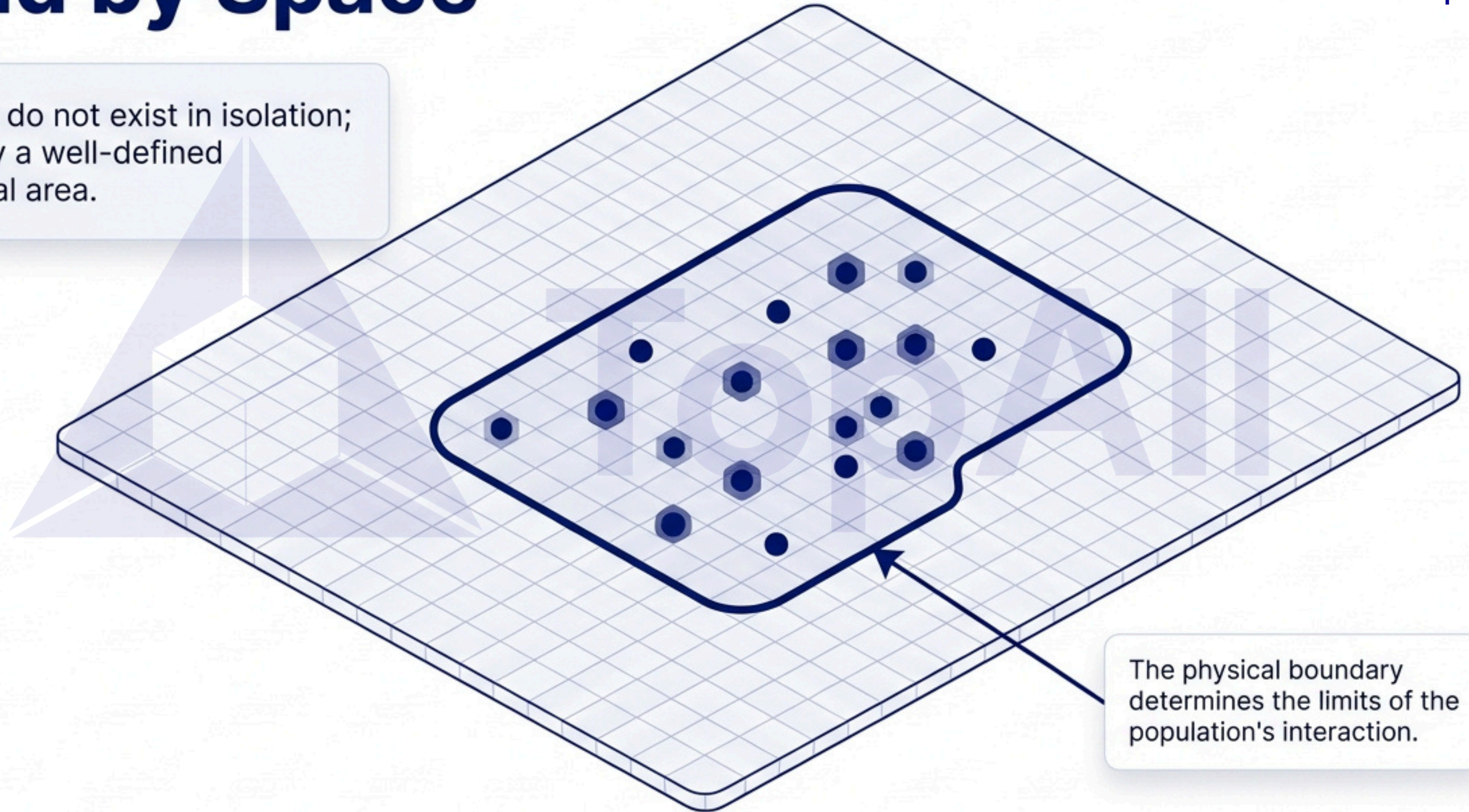


A group of individuals of the **same species**.

Includes both sexually interbreeding groups and groups resulting from asexual reproduction.

Bound by Space

Populations do not exist in isolation; they occupy a well-defined geographical area.

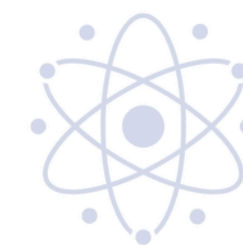


The physical boundary determines the limits of the population's interaction.



**You've Learned the Theory.
Let's Test Them Now.**

$$E=mc^2$$



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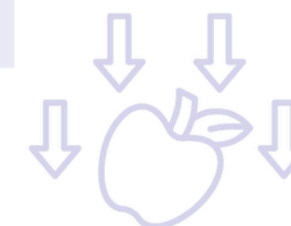
Practice Now



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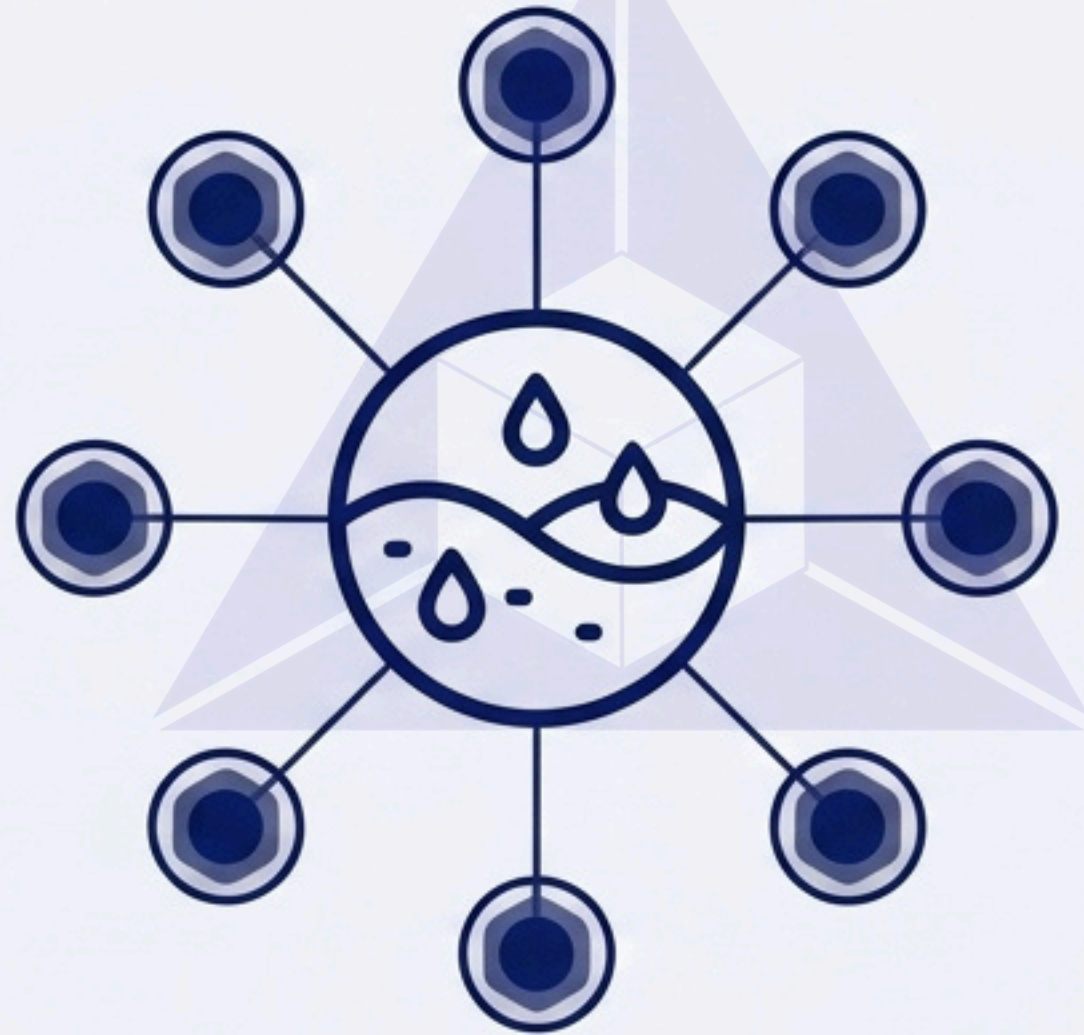
Key Highlights

- » Free Study Material, Videos & Infographics
- » Push Your Limits with Level-Based Challenges
- » Climb the Leaderboard Among Fellow Aspirants
- » Practice Unlimited MCQs for NEET & JEE
- » Get Clear Explanations, Not Just Marks
- » Track Your Performance Smarter



The Drive for Resources

Individuals within the area interact to survive through two primary mechanisms:



Sharing similar, abundant resources.



Competing for similar, limited resources.

Populations in Nature: Textbook Examples



Cormorants

In a wetland



Rats

In an abandoned
dwelling



**Teakwood
trees**

In a forest tract



Bacteria

In a culture plate

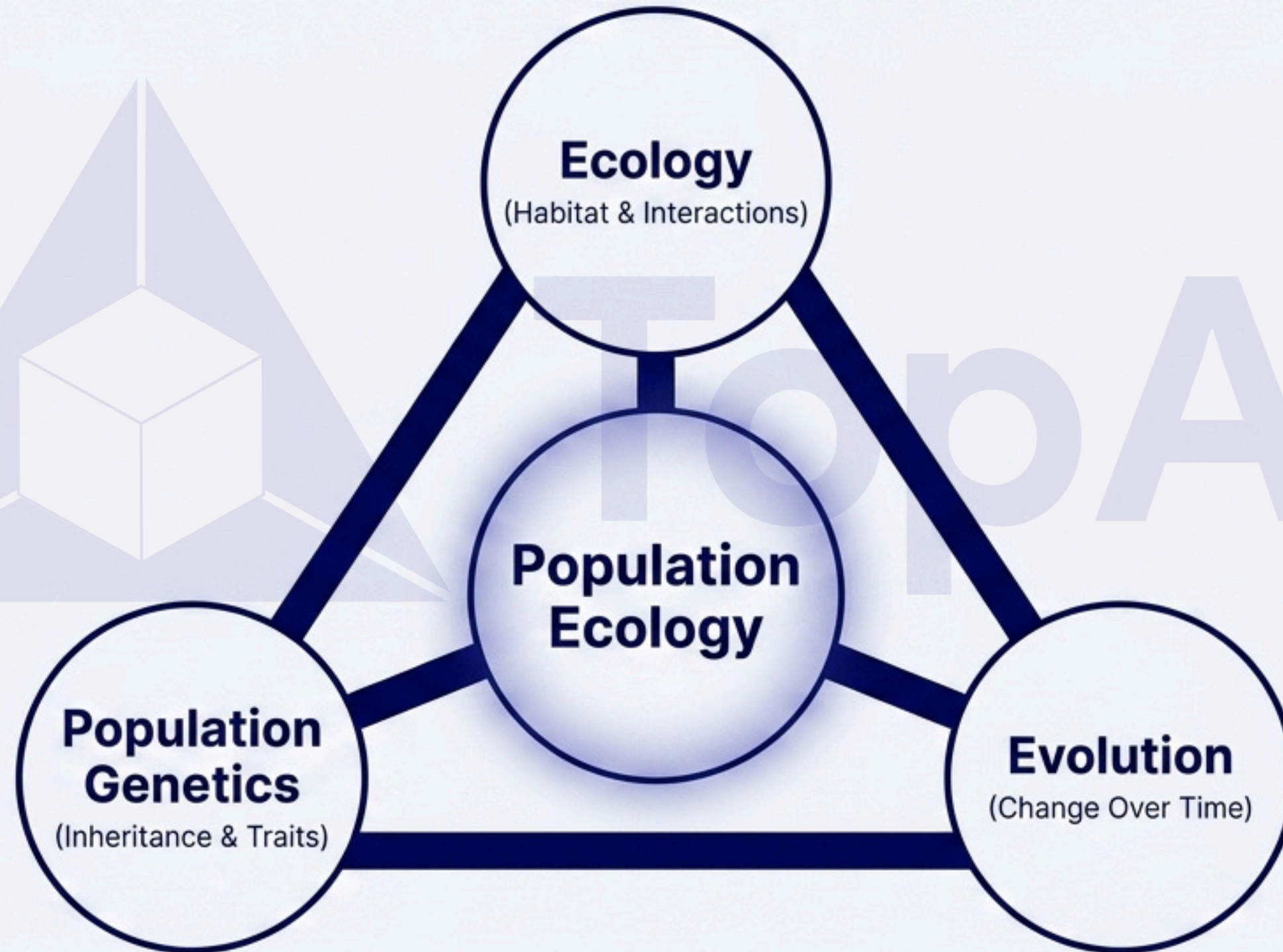


Lotus plants

In a pond

The Biological Bridge

Population ecology is the vital link that connects three major branches of biological science.



Natural selection operates at the population level, not the individual level.

While the individual organism has to cope with a changed environment, it is the population that evolves the desired traits over time.



You've Learned the Theory.

Now Let's Test It.

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