

POPULATION DYNAMICS PRESENTATION, NOTES & QUIZ

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Presentation

Guided Notes

Unit Quiz &
Answer Keys

Name: _____ Date: _____

POPULATION DYNAMICS Guided Notes

Task: Fill in the missing pieces of the notes based on the lesson presentation.

WHY IS IT NECESSARY TO STUDY POPULATION GROWTH?

- Environmental scientists study populations of organisms to gain a comprehensive understanding of how ecosystems function and maintain balance.

_____ knowledge is crucial for making accurate predictions about the future of ecosystems or species, particularly in the face of environmental changes that have been human-influenced, such as pollution.

THE SPECIES MODEL

- All organisms are part of a species. Environmental scientists have used the species model to study populations of organisms.
- The species model (aka the species distribution model) examines the population dynamics and environmental interactions of a specific species, considering factors such as birth rates, death rates, migration, habitat preferences, resource utilization, and ecological niche within the ecosystem.

- Write down three benefits and three limitations of the species model below

Benefits	Limitations

