

UNIT 8: ECOLOGY

Ecology:

- **Definition:** Ecology is the study of the relationships between organisms and their biological environments.



Levels of Organization:

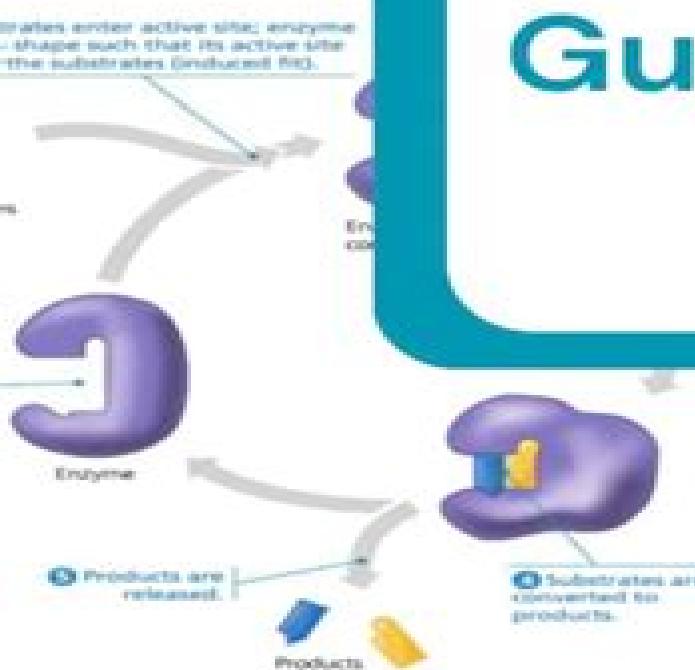
- **Individual:** Study of the characteristics and behaviors of individual organisms.
- **Population:** Focus on interactions and characteristics of a group of the same species.
- **Community:** Study of interactions between different populations.
- **Ecosystem:** Examines interactions between populations and their environment.
- **Biome:** A major ecosystem type characterized by vegetation.
- **Biosphere:** The entire planet Earth.

Population Ecology:

- **Definition:** Population dynamics of populations.

Population Growth Models:

- Exponential Growth:

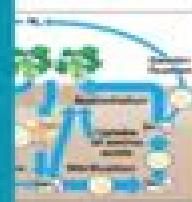


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4

metaphase, anaphase, telophase

cell's genes along with its non-coding

- Cellular structure carrying genetic material, found in the nucleus of eukaryotic cells
- Each chromosome consists of one very long DNA molecule and proteins
- Chromatin
 - Complex of DNA & proteins that makes up eukaryotic chromosomes
 - When cell isn't dividing, chromatin exists in dispersed form, as a long, thin fibers that aren't visible with a light microscope
- Somatic Cells

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L Darling-Hammond

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43 Ap Biology Study Guide Answers Book Review: Unveiling the Magic of Language

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oct 22 2023 lion large powerfully built cat that is second in size only to the tiger the proverbial king of the beasts the lion has been one of the best known wild animals since earliest times lions are most active at night and live in a variety of habitats but prefer grassland savanna dense scrub and open woodland

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