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Crash Course BIOLOGY (2012 SERIES) 40 Episode Series Bundle

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Crash Course Biology (2012) #40: Ecology – Earth Science

Name: _____ Date: _____

You can access the video here → <https://youtu.be/izRvPaAWgyw?si=DSeQcXVDLb6WPGf>

- The study that explains "the rules of engagement" among organisms and their environments is _____.
- A group of the same species living and interacting in an area defines a _____.
- When two or more populations of different species live together, they form a(n) _____.
- An _____ includes organisms in a place plus soil, water, air, and other nonliving components.
- A _____ is where organisms share adaptations to a general set of conditions (e.g., grassland or desert).
- The _____ includes the atmosphere, the whole Earth, and everything used by living things.
- Predators, competitors, and providers of food or shelter are examples of _____ factors.
- Temperature, moisture, sunlight, and elevation are _____ factors.
- Because enzymes work best within certain ranges, _____ strongly influences where organisms live.
- Since photosynthesis and cellular processes depend on it, _____ is the other key determinant of where life thrives.
- Areas with ideal temperatures for enzyme function tend to have high _____ (many kinds of living things).
- At the base of nearly every food chain are _____ such as plants, cyanobacteria, and some protists.
- The outward appearance and structure of a biome—determined by its inhabitants—is called its _____.
- Warm regions near the equator with ~300 cm of rain yearly are _____.
- Places with little precipitation and well-below-zero temperatures are typical of the _____ biome.

Crash Course Biology (2012) #40: Ecology – Earth Science - KEY

- The study that explains "the rules of engagement" among organisms and their environments is **Ecology**.
- A group of the same species living and interacting in an area defines a **population**.
- When two or more populations of different species live together, they form a(n) **community**.
- An **ecosystem** includes organisms in a place plus soil, water, air, and other nonliving components.
- A **biome** is where organisms share adaptations to a general set of conditions (e.g., grassland or desert).
- The **biosphere** includes the atmosphere, the whole Earth, and everything used by living things.
- Predators, competitors, and providers of food or shelter are examples of **biotic** factors.
- Temperature, moisture, sunlight, and elevation are **abiotic** factors.
- Because enzymes work best within certain ranges, **temperature** strongly influences where organisms live.
- Since photosynthesis and cellular processes depend on it, **water** is the other key determinant of where life thrives.
- Areas with ideal temperatures for enzyme function tend to have high **biodiversity** (many kinds of living things).
- At the base of nearly every food chain are **autotrophs** such as plants, cyanobacteria, and some protists.
- The outward appearance and structure of a biome—determined by its inhabitants—is called its **physiognomy**.
- Warm regions near the equator with ~300 cm of rain yearly are **tropical rainforests**.
- Places with little precipitation and well-below-zero temperatures are typical of the **tundra** biome.

15 Questions

Answer Key Included

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★★★★★ Extremely satisfied "This is a great resource to challenge my students as well as provide an outline for them as they go. It acts as guided notes to check their understanding and help guide them through the videos."

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★★★★★ **Extremely satisfied** "This is perfect for my students who have missed class and need a quick review. I also love these for sub days."

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