

UPGRADE to the Bundle

Crash Course - ECOLOGY

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Crash Course Ecology #1: The History of Life on Earth

Name: _____ Date: _____

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1. The science that studies how organisms interact with each other and their environments is called _____.
2. Earth's surface is dynamic due to the heat and activity from its _____.
3. The earliest living organisms were likely single-celled _____.
4. The sudden increase in atmospheric oxygen caused by cyanobacteria is referred to as the _____.
5. Eukaryotes likely evolved through a process called _____, where one prokaryote lived inside another.
6. The dramatic increase in animal diversity around 535 million years ago is known as the _____.
7. Organisms that live in extreme environments, such as hydrothermal vents, are similar to ancient _____.
8. Life began to colonize land during the _____ Period.
9. The forests of the Carboniferous Period produced most of today's _____ fuels.
10. The supercontinent that existed during the Permian Period was called _____.
11. The most significant mass extinction event in Earth's history is the _____ Extinction Event.
12. A species' role and use of resources in its environment is called its _____.
13. The extinction of dinosaurs is widely believed to have been caused by an _____ impact.
14. Flowering plants are also known as _____.
15. When two or more species evolve in response to each other, the process is called _____.

Crash Course Ecology #1: The History of Life on Earth KEY

1. The science that studies how organisms interact with each other and their environments is called **ecology**.
2. Earth's surface is dynamic due to the heat and activity from its **core**.
3. The earliest living organisms were likely single-celled **prokaryotes**.
4. The sudden increase in atmospheric oxygen caused by cyanobacteria is referred to as the **oxygen revolution**.
5. Eukaryotes likely evolved through a process called **endosymbiosis**, where one prokaryote lived inside another.
6. The dramatic increase in animal diversity around 535 million years ago is known as the **Cambrian Explosion**.
7. Organisms that live in extreme environments, such as hydrothermal vents, are similar to ancient **archaea**.
8. Life began to colonize land during the **Ordovician** Period.
9. The forests of the Carboniferous Period produced most of today's **fossil** fuels.
10. The supercontinent that existed during the Permian Period was called **Pangaea**.
11. The most significant mass extinction event in Earth's history is the **Permian-Triassic** Extinction Event.
12. A species' role and use of resources in its environment is called its **niche**.
13. The extinction of dinosaurs is widely believed to have been caused by an **asteroid** impact.
14. Flowering plants are also known as **angiosperms**.
15. When two or more species evolve in response to each other, the process is called **co-evolution**.

15 Questions

Answer Key Included

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