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Crash Course - BIOLOGY 2.0

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Crash Course Biology #5: Intro to Ecology: Why Did All These Elephants Die?

Name: _____ Date: _____

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1. Botswana is home to more than 130,000 _____, the world's largest population of these animals.
2. A _____ species is one that has a disproportionately large impact on its ecosystem.
3. The study of how living things interact with each other and their environment is called _____.
4. Living components of an ecosystem, like animals and plants, are known as _____ factors.
5. Non-living components of an ecosystem, such as climate and water, are called _____ factors.
6. The _____ is the part of Earth that supports life, extending from the deepest ocean to several kilometers above ground.
7. The _____ cycle describes the movement of chemical elements through living and non-living parts of an ecosystem.
8. A scientist who studies the relationships between organisms and their environment is called an _____.
9. _____ ecology focuses on multiple, connected ecosystems and how they interact with one another.
10. Organisms that produce their own energy through photosynthesis, like plants, are called _____.
11. The total energy available from all producers in an ecosystem is known as its _____ production.
12. The remaining energy in an ecosystem, after plants use some for their own biological processes, is called _____ production.
13. _____ are bacteria that can perform photosynthesis and, in some cases, produce toxic substances.
14. The movement of energy through an ecosystem is represented by an _____ pyramid.
15. The study of how an organism behaves in response to its environment is called _____ ecology.

Crash Course Biology #5: Intro to Ecology: Why Did All These Elephants Die? - KEY

1. Botswana is home to more than 130,000 **elephants**, the world's largest population of these animals.
2. A **keystone** species is one that has a disproportionately large impact on its ecosystem.
3. The study of how living things interact with each other and their environment is called **ecology**.
4. Living components of an ecosystem, like animals and plants, are known as **biotic** factors.
5. Non-living components of an ecosystem, such as climate and water, are called **abiotic** factors.
6. The **biosphere** is the part of Earth that supports life, extending from the deepest ocean to several kilometers above ground.
7. The **biogeochemical** cycle describes the movement of chemical elements through living and non-living parts of an ecosystem.
8. A scientist who studies the relationships between organisms and their environment is called an **ecologist**.
9. **Landscape** ecology focuses on multiple, connected ecosystems and how they interact with one another.
10. Organisms that produce their own energy through photosynthesis, like plants, are called **producers**.
11. The total energy available from all producers in an ecosystem is known as its **gross** production.
12. The remaining energy in an ecosystem, after plants use some for their own biological processes, is called **net** production.
13. **Cyanobacteria** are bacteria that can perform photosynthesis and, in some cases, produce toxic substances.
14. The movement of energy through an ecosystem is represented by an **ecological** pyramid.
15. The study of how an organism behaves in response to its environment is called **behavioral** ecology.

15 Questions

Answer Key Included

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