

Name: _____

Key

Hour: _____

2017-2018 BIO Semester 1 Final Assessment Review- SADER

- Please answer in complete sentences
- Please be as descriptive as possible when answering
- The more descriptive you are, the better prepared for the final you will be

1. What is an ecosystem?

A community of organisms and their abiotic environment

2. What is a population?

A group of organisms of the same species that live in a specific geographical area

3. What is convergent evolution?

Different species have evolved to have similar traits

4. What is divergent evolution?

A type of evolution where one species diversifies

5. What four pieces of evidence support the theory of evolution?

1. Fossil record 2. geographical distribution of living things 3. embryology 4. homologous structures

6. What are homologous structures?

An organ or bone that has a similar structure but different function.

~~Why is genetic variability important?~~

8. What are biogeochemical cycles? Why are they important?

The water, nitrogen, and carbon cycles. Water + minerals are needed by all organisms to survive.

9. What are producers?

Organisms that make their own food

10. What are autotrophs?

An organism that uses photosynthesis. Same as producer.

11. What are heterotrophs?

Consumes other organisms for energy. Same as consumer

12. What are consumers?

Organisms that eat autotrophs/producers or other consumers/heterotrophs

13. What are omnivores?

Organisms that eat both plants and animals (meat)

14. What are carnivores?

Organisms that only eat meat

15. What are herbivores?

an animal that gets its energy from eating plants, and only plants

16. What are pioneer species?

A species that colonizes an uninhabited area.