

8D Ecological relationships

Extension questions

Science Interactive LTD, PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Answer the following questions:



Click mouse to reveal answer

- Q1. What is an animal with a backbone called?
- Q2. What is an animal without a backbone called?
- Q3. What do we call a cold-blooded land animal that lays eggs?
- Q4. What are flying animals that evolved from the dinosaurs called?
- Q5. What do we call an animal that gives birth to live young?
- Q6. What do we call an animal that lives on land and in the water?
- Q7. What do we call an animal that eats meat?
- Q8. What do we call an animal that catches and eats other animals?
- Q9. What do we call an animal that is caught and eaten by another animal?
- Q10. What do we call the natural world in which humans, animals, and plants live?
- Q11. What do we call the natural place where a plant or animal lives, like a forest, desert, or riverbank?
- Q12. Name a solid object that has a square base and a point at the top?
- Q13. What do we call a self-contained community that interacts with the environment?
- Q14. What do we call a strip of ground along which ecological population measurements are made at regular intervals?
- Q15. What do we call A diagram that shows the transfer of energy as one animal eats another?
(It always starts with a plant)
- Q16. What do we call a square hoop used to define a set area for counting a population?
- Q17. What do we call a life-essential chemical like nitrogen, phosphorus or potassium?

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Answers:

- A1. Vertebrate
- A2. Invertebrate
- A3. Reptile
- A4. Birds
- A5. Mammal
- A6. Amphibian
- A7. Carnivore
- A8. Predator
- A9. Prey
- A10. Environment
- A11. Habitat
- A12. Pyramid
- A13. Ecosystem
- A14. Transect
- A15. Food chain
- A16. Quadrat
- A17. Nutrient

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multiple choice

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Click mouse to reveal answer

1: Which group below does not belong to the vertebrate group ?

- A Spiders

- B Reptiles

- C Fish

- D Mammals

2: Which tool is used by scientists when they are collecting insects ?

- A Vacuum cleaner

- B Transect

- C Sweep net

- D Pooter

3: Which of the following is the correct sequence for a simple food chain ?

- A Producer > Carnivore > Top predator

- B Herbivore > Producer > Top predator

- C Producer > Herbivore > Carnivore

- D Carnivore > Decomposer > Producer

4: Which would normally occur in the lowest number in a food chain ?

- A Herbivore

- B Carnivore

- C Top predator

- D Producer

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multiple choice

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C Producer > Herbivore > Carnivore

D

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D

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literacy in science

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Answer all the questions below:

 Click mouse to reveal answer

1) Unscramble the following words:

mictaxono

etrscant

ithabat

odfo wesb

2) Make three sentences using the following nine words or phrases:

food webs / chains
survey / sample
pyramids

feeding relationships
transect
numbers

producers consumers
quadrant
biomass

3) Match the word or phrase with the right meaning:

Consumer

A series of interconnecting food chains

Habitat

A herbivore or carnivore, unable to make its own food

Food web

Supplies all the requirements for several species

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literacy in science

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Answer all the questions below:

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taxonomic

transect

habitat

food webs

2) Make three sentences using the following nine words or phrases:

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complete the sentence

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Place the right word or words to complete the sentence:

 [Click mouse to reveal answer](#)

bodies

chain

decrease

group

pooter

producers

habitat

adapted

fungi

- a) A _____ provides all the space, moisture and nutrients that an organism requires.
- b) All living organisms are _____ to their environments.
- c) A large group of similar plants or animals is called a taxonomic _____ .
- d) Decomposers like bacteria and _____ play an important role in an ecosystem.
- e) A safe way of sampling insects is by using a _____ .
- f) Numbers of _____ and consumers will change throughout the year.
- g) As you move from producer to predator, the numbers of organisms _____ .
- h) A food _____ or web describes the energy transfer from producer to predator.
- i) Nutrients locked in the _____ of dead animals are recycled by decomposers.

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complete the sentence

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- a) A habitat provides all the space, moisture and nutrients that an organism requires.
- b) All living organisms are adapted to their environments.
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- f) Numbers of producers and consumers will change throughout the year.
- g) As you move from producer to predator, the numbers of organisms decrease.
- h) A food chain or web describes the energy transfer from producer to predator.
- i) Nutrients locked in the bodies of dead animals are recycled by decomposers.