

Food Web - Multiple Choice Worksheet

Name: _____

Date: _____

Instructions: Choose the correct answer from the options provided.

- What is a food web?**
 - A sequence of events where one organism eats another
 - A system of interdependent food chains
 - A map of predator-prey relationships
 - A cycle of energy between producers and consumers
- In a food web, organisms that produce their own food are called:**
 - Herbivores
 - Carnivores
 - Decomposers
 - Producers
- What is the primary source of energy for most food webs?**
 - Water
 - The sun
 - Soil nutrients
 - Oxygen
- Which of the following best describes a herbivore?**
 - An organism that eats plants
 - An organism that eats other animals
 - An organism that breaks down dead organisms
 - An organism that produces its own food
- Which term best describes animals that eat both plants and other animals?**
 - Carnivores
 - Decomposers
 - Omnivores
 - Herbivores
- What role do decomposers play in a food web?**
 - They recycle nutrients by breaking down dead organisms
 - They produce food through photosynthesis
 - They act as primary consumers
 - They are top predators in the ecosystem
- Which of the following is a top predator in most food webs?**
 - Grasshopper
 - Lion
 - Rabbit
 - Earthworm
- In a food web, what is the role of primary consumers?**
 - They eat decomposers
 - They eat herbivores
 - They eat producers
 - They produce their own energy
- Which of the following best describes a trophic level?**
 - The position an organism occupies in a food chain
 - A type of habitat
 - The number of species in an ecosystem
 - The rate of energy transfer in an ecosystem
- What happens to the amount of available energy as you move up the trophic levels in a food web?**
 - It increases
 - It stays the same
 - It decreases
 - It cycles back to the producers
- Which of the following organisms is an example of a secondary consumer?**
 - Grass
 - Rabbit
 - Wolf
 - Deer
- Which group of organisms can make their own food using sunlight, water, and carbon dioxide?**
 - Producers
 - Consumers
 - Herbivores
 - Omnivores
- If a food web is disrupted by the extinction of a species, what is the most likely consequence?**
 - Only that species will be affected
 - All species in the food web will immediately die
 - Other species may either thrive or decline, depending on their role in the web
 - The food web will remain stable and unaffected

14. **Which of the following is an example of a producer in a food web?**
- a) Snake
 - b) Eagle
 - c) Oak tree
 - d) Fish
15. **What do secondary consumers primarily eat?**
- a) Producers
 - b) Decomposers
 - c) Primary consumers
 - d) Detritivores
16. **Which of the following organisms is both a primary consumer and a secondary consumer?**
- a) Cow
 - b) Bear
 - c) Grasshopper
 - d) Deer
17. **What is the relationship between a food chain and a food web?**
- a) A food chain is a complex network of food webs
 - b) A food web consists of interconnected food chains
 - c) A food chain and a food web are identical
 - d) A food chain only shows producers and consumers, while a food web shows decomposers
18. **What is the ultimate fate of energy in an ecosystem?**
- a) It cycles endlessly through the food web
 - b) It is eventually lost as heat
 - c) It is destroyed in the atmosphere
 - d) It is stored permanently in organisms
19. **Which of the following is an example of a detritivore?**
- a) Spider
 - b) Earthworm
 - c) Hawk
 - d) Zebra
20. **Why is biodiversity important in a food web?**
- a) It ensures that all organisms are herbivores
 - b) It increases the stability of the ecosystem by providing multiple food sources
 - c) It reduces the number of predators
 - d) It limits the number of trophic levels
-

Answer Key

1. b) A system of interdependent food chains
2. d) Producers
3. b) The sun
4. a) An organism that eats plants
5. c) Omnivores
6. a) They recycle nutrients by breaking down dead organisms
7. b) Lion
8. c) They eat producers
9. a) The position an organism occupies in a food chain
10. c) It decreases
11. c) Wolf
12. a) Producers
13. c) Other species may either thrive or decline, depending on their role in the web
14. c) Oak tree
15. c) Primary consumers
16. b) Bear
17. b) A food web consists of interconnected food chains
18. b) It is eventually lost as heat
19. b) Earthworm
20. b) It increases the stability of the ecosystem by providing multiple food sources