

QUIZIZZ

Trophic Levels

15 Questions

NAME : _____

CLASS : _____

DATE : _____

1. The efficiency of energy transfer from a lower trophic level to the next highest level is roughly

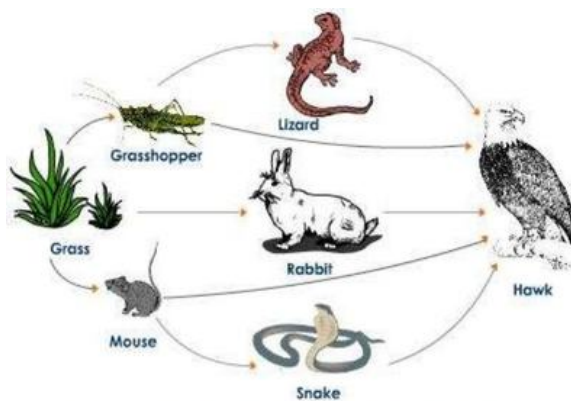
- ☐ a) 1% ☐ b) 10%
☐ c) 100% ☐ d) 1000%

2. Trophic levels are represented by

- ☐ a) squares ☐ b) circles
☐ c) pyramids ☐ d) lines

3.

Which animal is the apex predator?

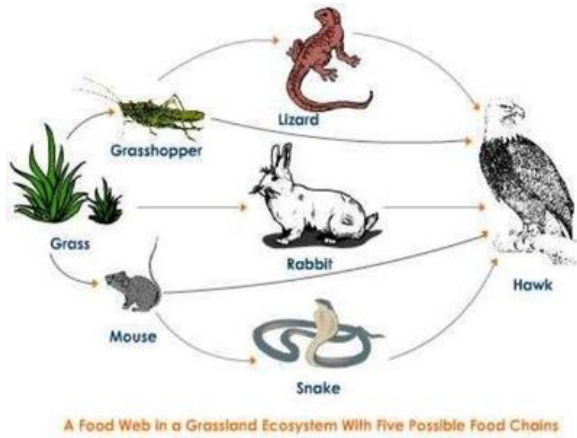


A Food Web in a Grassland Ecosystem With Five Possible Food Chains

- ☐ a) hawk ☐ b) lizard
☐ c) snake ☐ d) grass

4.

Which animal is not the apex predator but, a predator to a mouse?


☐ a) hawk

☐ b) rabbit

☐ c) snake

☐ d) grass

5. Why is a shark a carnivore.

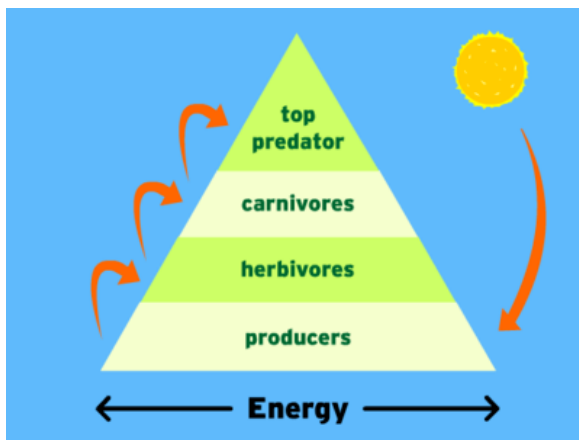
☐ a) because it eats seaweed

☐ b) because it eats dead animals

☐ c) because it eats sand

☐ d) because it eats other animals

6.



In the energy pyramid here, how much of the energy in each level gets lost as heat or used by the organism for survival?

☐ a) 80%

☐ b) 90%

☐ c) 10%

☐ d) 20%

7. The arrows in a food chain or web represents what?

☐ a) They point to the organism that is being eaten.

☐ b) It shows how sunlight flows within an ecosystem.

☐ c) They show what direction the energy is flowing between organisms.

☐ d) They represent how water is transferred within a habitat.

8.



An organism that gets energy from breaking down dead organisms, non-living material or waste is a(an) _____.

- ☐ a) producer ☐ b) consumer
- ☐ c) decomposer ☐ d) autotroph
9. Organisms that create their own energy from sunlight or chemicals
- ☐ a) Herbivore ☐ b) Omnivore
- ☐ c) Autotroph ☐ d) Heterotroph
10. Eat primary consumers (can be carnivores and omnivores)
- ☐ a) Tertiary Consumers ☐ b) Secondary Consumers
- ☐ c) Quaternary Consumers ☐ d) Top Predators
11. An organism that obtains energy from eating meats
- ☐ a) Omnivores ☐ b) Carnivores
- ☐ c) Herbivores ☐ d) Animals
12. An organism that obtains energy by consuming plants and animals.
- ☐ a) Omnivores ☐ b) Carnivores
- ☐ c) Herbivores ☐ d) Humans

13. An organism that uses an outside source of energy like the sun to create energy-rich food molecules.

- | | |
|--|--------------------------------------|
| <input type="checkbox"/> a) Consumer | <input type="checkbox"/> b) Producer |
| <input type="checkbox"/> c) Decomposer | <input type="checkbox"/> d) Parasite |

14. Biomass refers to

- | | |
|---|--|
| <input type="checkbox"/> a) Chemical Energy | <input type="checkbox"/> b) Light Energy |
| <input type="checkbox"/> c) Rank in the feeding hierarchy | <input type="checkbox"/> d) Amount of living tissue at the trophic level |

15. The process of plants using energy from the sun to create the first trophic level is called?

- | | |
|--|---|
| <input type="checkbox"/> a) Photosynthesis | <input type="checkbox"/> b) Chemosynthesis |
| <input type="checkbox"/> c) Cellular Respiration | <input type="checkbox"/> d) Primary Producers |

Answer Key

1. b
2. c
3. a
4. c

5. d
6. b
7. c
8. c

9. c
10. b
11. b
12. a

13. b
14. d
15. a