

Name Answers

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## Ecosystems Review Sheet

Test is on \_\_\_\_\_



1 <sup>D</sup> Producer

~~A.~~ eats other living things

2 <sup>H</sup> Decomposer

~~B.~~ Eats only plants

3 <sup>A</sup> Consumer

~~C.~~ Eats only meat

4 <sup>C</sup> Carnivore

~~D.~~ uses the sun's energy to make food

5 <sup>E</sup> Omnivore

~~E.~~ Eats both plants and animals

6 <sup>B</sup> Herbivore

~~F.~~ gets hunted by other organisms

7 <sup>G</sup> Predator

~~G.~~ Animals that hunt other organisms

8 <sup>F</sup> Prey

~~H.~~ turn dead organisms into nutrients

9 <sup>L</sup> Ecosystem

~~I.~~ the process where plants turn the sun's energy into sugar

10 <sup>M</sup> Carrying capacity

~~J.~~ absorbs light for photosynthesis

11 <sup>I</sup> Photosynthesis

~~K.~~ a living thing

12 <sup>K</sup> Organism

~~L.~~ an environment where organisms influence and are influenced by the nonliving environment

13 <sup>J</sup> Leaf

~~M.~~ The largest population of organisms that can be supported by an ecosystem

14. All energy ultimately comes from the sun.

15. Food chains and food webs show how energy moves through organisms.

16. Read the following characteristics. If the statement describes a producer, write a P. Use C for consumer, H for herbivore, O for omnivore, V for carnivore, and D for decomposer. You may use answers more than once, and more than one answer may apply to each statement. Leave the line blank if none apply.

- a. D uses dead matter for energy
- b. C, H uses energy gained from plants
- none apply c.     uses energy directly from water
- d. P uses energy directly from the sun
- none apply e.     Plants absorb energy from water and minerals in the ground.
- f. P Performs photosynthesis and provide energy to organisms.
- none apply g.     Plants make most of their energy during the night so that they can use it during the day.
- h. D make most of their energy by breaking down organisms
- i. P convert the sun's energy into food
- j. P use photosynthesis to make sunlight energy available to all organisms in an ecosystem
- k. D breaks down leaf pieces for energy
- l. P Sun shines on a field of grass.
- m. H, C Impala eats grass.
- n. D Grass is stepped on and breaks down.
- o. C, V Cheetah hunts an impala.
- p. H, C Tadpoles live in water and eat algae.
- q. V, C Frogs live on land and in water, eating insects.
- r. H, C Energy flows from plants to squirrels and chipmunks.
- s. C, V Energy flows from squirrels and chipmunks to hawks.
- t. C, H Snails and water striders eat aquatic grasses.
- u. V, C The largemouth bass is a top predator.
- v. V, C Rattlesnakes search for small mammals and rodents.
- w. P Cacti increase the amount of energy available to living things by changing sunlight into food.
- x. C, V Lizards feed on the ants that crawl out of ant holes.
- y. P, C, H American beech trees provide food for small animals.

17. In a food chain or food web, all organisms' food can be traced back to plants/producers.

18. The environment determines an area's ecosystem. Rank the order of events that might happen if an area has a dramatic decrease in rainfall.

5 Carnivores migrate to different places.

1 Producers die without water.

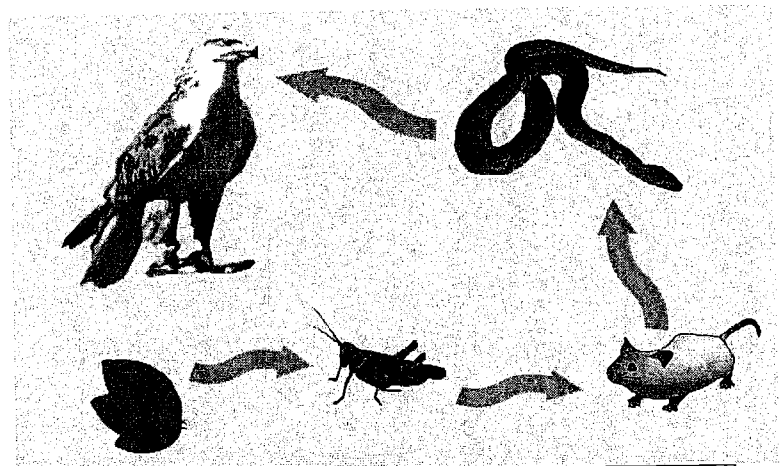
2 Herbivores run out of food.

4 Carnivores run out of prey.

3 Herbivores migrate to new areas.

19. In a food chain or food web, the arrow points toward the Consumer.

14. Look at the food chain. Select the boxes to classify the role of each organism in the ecosystem.



Organism	Producer	Consumer	Herbivore	Omnivore	Carnivore
Snake		✓			✓
Leaves	✓				
Hawk		✓			✓
Mouse		✓			✓
Grasshopper		✓	✓		

15. Identify the 4 resources plants use and the 2 products that plants make during the process of photosynthesis.

- a. Resources: SUNlight, nutrients,  
water, and Carbon dioxide
- b. Products: sugar/food and oxygen

16. Read the table. Circle any organisms that are carnivores.

17. Draw a green star next to the organism or organisms that uses photosynthesis as a source of energy.

Animal	Food Source
Grasshopper	Grass, leaves
Mouse	Grasshopper, leaves
Squirrel	Acorns
<u>Fox</u>	Squirrel, mouse

18. Based on the data in the table, construct 2 food chains.

