

# Directed Reading A

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## Section: Living Things Need Energy

- \_\_\_\_\_ 1. To survive, living things need
- a. grasslands.
  - b. energy.
  - c. clothing.
  - d. species.

### THE ENERGY CONNECTION

2. What three groups can animals be divided into based on how they get energy?
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
3. Organisms that use sunlight directly to make food are called \_\_\_\_\_.
4. Producers use a process called \_\_\_\_\_ to make food.
5. Herbivores, carnivores, and omnivores that eat other organisms are known as \_\_\_\_\_.
6. A consumer that eats only plants is a(n) \_\_\_\_\_.
7. A consumer that eats only animals is a(n) \_\_\_\_\_.
8. A consumer that eats both plants and animals is a(n) \_\_\_\_\_.
9. An example of a herbivore is a(n) \_\_\_\_\_.
10. An example of an omnivore is a(n) \_\_\_\_\_.
11. Omnivores that eat dead plants and animals are called \_\_\_\_\_.
12. Organisms that break down dead organisms to get energy are called \_\_\_\_\_.
13. List two decomposers.
- \_\_\_\_\_
- \_\_\_\_\_

**Directed Reading A *continued***

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14. A simple diagram that shows how energy in food flows from one organism to another is a(n) \_\_\_\_\_.

15. A food chain does not show energy connections in nature as accurately as a food \_\_\_\_\_ does.

16. In food webs and food chains, does the arrow point toward the plant or animal doing the eating or the one that is eaten?

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17. List the two main food webs on Earth.

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18. Why isn't all of the energy that grass gets from sunlight passed on to the prairie dogs that eat the grass?

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19. The diagram that shows an ecosystem's loss of energy at each level of the food chain is known as \_\_\_\_\_.

**WOLVES AND THE ENERGY PYRAMID**

20. When gray wolves were wiped out as the wilderness was settled, what happened to the grass and elk in some areas?

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**Directed Reading A** *continued*

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21. What effect does the U.S. Fish and Wildlife Service think the return of wolves will have in Yellowstone National Park?

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22. Why are ranchers near Yellowstone worried about wolves returning?

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23. How have three populations of organisms changed since the reestablishment of wolves in Yellowstone National Park?

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