



# Amoeba Sisters | Video Recap

NAME: \_\_\_\_\_

## Amoeba Sisters Video Recap: Autotrophs and Heterotrophs

Complete the below examples and statements about herbivores, carnivores, and omnivores.

### 1. Herbivore

One example: \_\_\_\_\_

Generally, herbivores eat: \_\_\_\_\_.

### 2. Carnivore

One example: \_\_\_\_\_

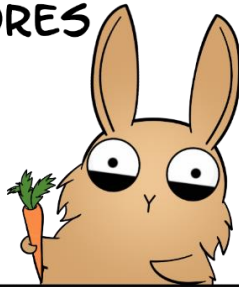
Generally, carnivores eat: \_\_\_\_\_.

### 3. Omnivore

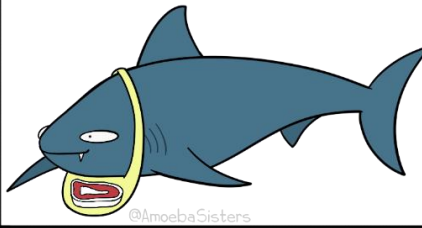
One example: \_\_\_\_\_

Generally, omnivores eat: \_\_\_\_\_.

### HERBIVORES



### CARNIVORES



### OMNIVORES



### AND MORE!

4. Define the general difference between an **autotroph** and a **heterotroph**.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. **Herbivores** are generally considered **autotrophs** or **heterotrophs**?

\_\_\_\_\_

6. **Carnivores** are generally considered **autotrophs** or **heterotrophs**?

\_\_\_\_\_

7. **Omnivores** are generally considered **autotrophs** or **heterotrophs**?

\_\_\_\_\_

For the following organisms, please write whether they are generally an example of a **heterotroph (H)**, **autotroph (A)**, or a strong example of either one (**both**). While these responses are general, please keep in mind biology is full of fascinating exceptions!

8. Bacteria: \_\_\_\_\_

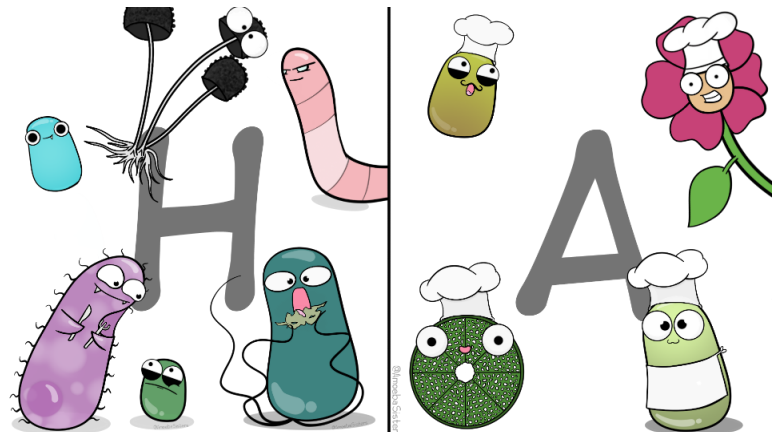
9. Fungi: \_\_\_\_\_

10. Archaea: \_\_\_\_\_

11. Protists: \_\_\_\_\_

12. Animals: \_\_\_\_\_

13. Plants: \_\_\_\_\_



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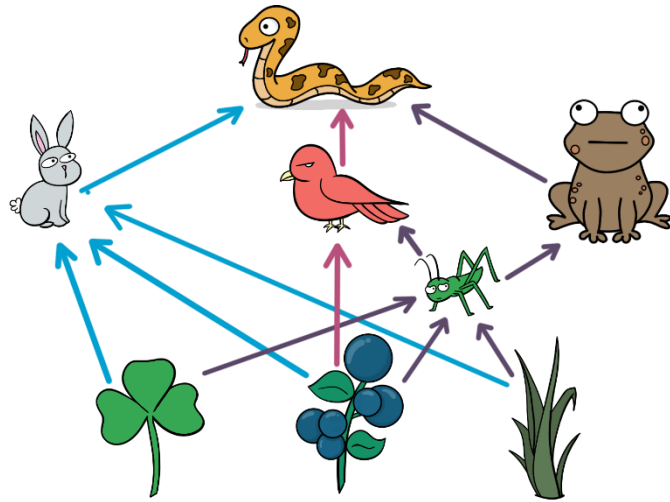
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14. The image at right is called a food web. Arrows point in the direction of energy flow. On the food web at right, please write "autotroph" or "heterotroph" by each organism.

How many autotrophs did you count?

15. View the organisms that you labeled heterotrophs. Are these heterotrophs considered producers or consumers?

16. View the organisms that you labeled autotrophs. Are these autotrophs considered producers or consumers?



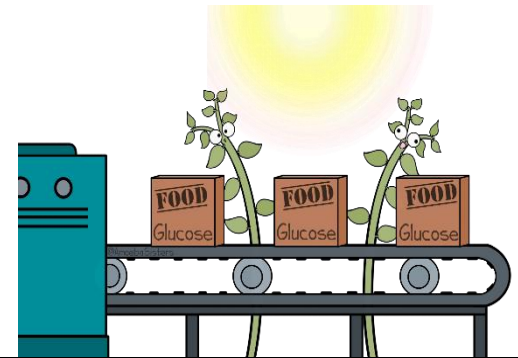
17. Plants can use sunlight energy in producing their own food and are examples of autotrophs. Do all autotrophs use sunlight energy to produce their own food? Explain why or why not.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



As the video mentions, there are other descriptive terms, such as the prefixes "photo" and "chemo" that can be added to the terms autotroph and heterotroph. View the chart on the right that classifies organisms by carbon and energy source. Complete the numbered dotted blanks #18-23 for this chart. Keep in mind that there are more terms that could be used as well, and there are many fascinating exceptions in biology!

