

**Ecosystems study guide:**

1. \_\_\_\_\_ is the study of the relationship between living things and their environments.
2. A person who studies ecosystems is known as \_\_\_\_\_.
3. \_\_\_\_\_ is an organism that can make its own food. Ex: \_\_\_\_\_  
\_\_\_\_\_. They make the \_\_\_\_\_ level in a food chain.
4. \_\_\_\_\_ eats plants. Ex: \_\_\_\_\_
5. \_\_\_\_\_ eats both plants and animals. Ex: \_\_\_\_\_  
\_\_\_\_\_
6. \_\_\_\_\_ break down dead and decayed matter. Ex: \_\_\_\_\_  
\_\_\_\_\_
7. \_\_\_\_\_ eat dead things. Ex: \_\_\_\_\_
8. \_\_\_\_\_ lives off another living thing. Ex: \_\_\_\_\_
9. When all the food chains are connected then they form a \_\_\_\_\_.
10. A diagram that compares the amount of energy available to a population at different levels of the food chain is known as \_\_\_\_\_.
11. The animal that eats another is known as a \_\_\_\_\_.
12. The animal that gets eaten is known as \_\_\_\_\_.

Give an example of a Food Web. Include at least 3 complete food chains. Make sure you draw the arrows to show how the energy travels.