

Name _____ Date _____ Hour _____

Energy in the Ecosystem WebQuest

1. Go to <http://www.zephyrus.co.uk/foodpuzzlechain.html> and complete the food chain “quiz.” Make sure to answer these questions as you go. [In other words, all of these questions can be answered by the information found as you work through this quiz.]
 - a. Green plants make their own food, so they are called _____.
 - b. What is a predator?

 - c. What is an example of a producer that fish could eat?

 - d. What is the general term for organisms that live in soil and fallen leaves on the forest floor? What is one example of them?

2. Go to <http://www.sciencebob.com/lab/q-web-chain.html> and answer this question: What is the difference between a food chain and a food web?

3. Go to <http://www.cas.psu.edu/DOCS/WEBCOURSE/WETLAND/WET1/identify.html> and answer these questions.
 - a. List the organism(s) that are producers.

 - b. List the organism(s) that are consumers.

 - c. Draw three food chains found within this food web.

- d. How many different food chains can you find in the food web pictured?
 - e. What is missing from this food web?
6. Go to <http://www.vtaide.com/png/foodchains.htm> to answer these questions.
- a. In any ecosystem, there are fewer carnivores than herbivores. Why? [Your answer needs to specifically include a description of how energy is transferred.]
 - b. Why would it be extremely rare to find a food chain with nine links in it?
7. Go to <http://www.elmhurst.edu/~chm/onlcourse/chm110/outlines/foodenergy.html> to answer these questions.
- a. As energy passes to a higher trophic level, approximately _____ of the useful energy is lost.
 - b. What is the benefit to a society if everyone reduces the amount of meat they eat? [Use the concepts discussed with energy in the ecosystems to answer this question.]

