

Food Chains, Food Webs, Energy Pyramids

Computer Activities

1. Watch Amoeba Sister's Video on Food Webs, Food Chains and Energy Pyramids. Answer the following questions on notebook paper in complete sentences.

<https://www.youtube.com/watch?v=-oVavgmveyY>

1. What is an autotroph?
2. What is a heterotroph?
3. Give two examples of an autotroph.
4. Give two examples of a heterotroph.
5. In an energy pyramid why is there so much energy available to the producers (autotrophs) but very little energy available to the apex predators?
6. If one organism in an ecosystem becomes extinct, can the entire food web be affected?
7. What is biodiversity?
8. Where do decomposers such as bacteria and fungi fit in a food web?
9. In a food web what does the arrow mean? Does it mean "gives energy to" or does it mean "eats"?

Sun  Grass  Grasshopper  Bullfrog

2. Watch Bio magnification and the Trouble with Toxins by the Amoeba Sisters

a. <https://www.youtube.com/watch?v=TZk6vcmLcKw>

- b. Answer the following questions on notebook paper in complete sentences.

1. What was DDT used for in the 1940's?
2. What is Bio-magnification?
3. Why is it safer to eat smaller fish with shorter life spans (salmon) than it is to eat larger fish with longer lifespans (tuna)?

<http://www.today.com/health/it-ok-eat-fish-every-day-t34261>

3. Watch the following video. Write down 3 facts that you learned from the video.

a. <https://www.youtube.com/watch?v=NHetWkxhpAg>

