

Food Web Question and Answer Exercise

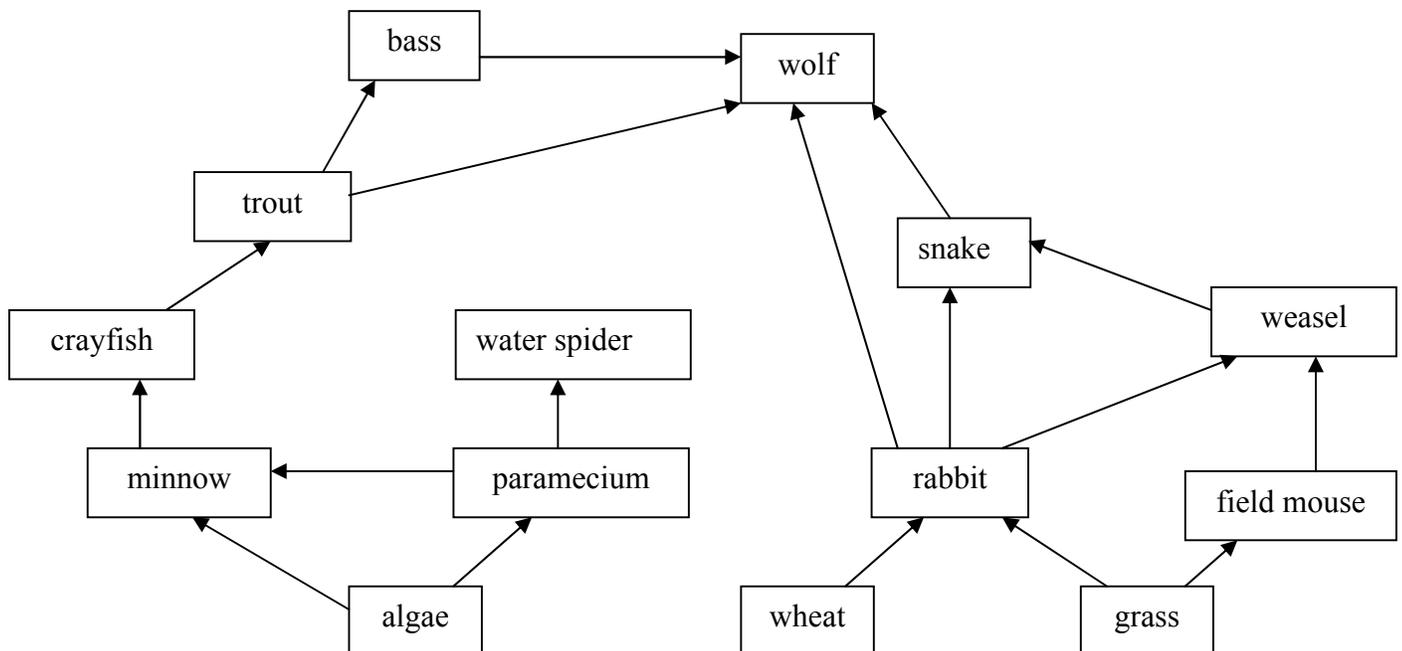
Answer the following questions in the space provided.

Questions

1. Explain the difference between a food chain and a food web.

2. Why are food chains limited in length?

3. Study the food web below and fill in the blanks in the questions provided on the next page.



CHAPTER 1	Food Web Question and Answer Exercise	BLM 1.2.3
HANDOUT		

3. a) The following organisms in the food web are producers:
 _____.
 Producers are also known as _____.
- b) A _____ is an example of an aquatic herbivore in the food web.
 A _____ is an example of a terrestrial herbivore.
- c) Water spiders are classified as _____ consumers and occupy the _____ trophic level.
- d) Field mice are classified as _____ consumers and occupy the _____ trophic level.
- e) The highest trophic level the bass could occupy is the _____ trophic level.
- f) The snake population in this community has been decreasing due to loss of habitat. As a result, the weasel population will _____ and the field mouse population will _____.
4. Isle Royale is a small island located in Lake Superior. The island is home to a population of wolves and moose that are held in a delicate balance with one another. In the past, this balance has been maintained. However, the moose population is currently the lowest it has been in many years. The island was home to only 385 moose in 2007, having fallen from 450 in 2006. The moose's primary predators are wolves. Foxes also feed on the moose carcasses if there is anything remaining, along with grass-eating snowshoe hares. Insects such as ticks and mosquitoes feed on moose blood. Moose themselves are primary consumers that eat a variety of woody plant materials, including balsam fir and birch. Aquatic plants make up a large percentage of the herbivore's summer food resource.
- a) Create a food web for Isle Royale that includes the organisms mentioned above.

