

## SNC 2D0 - Food Chain/Food Web Worksheet

- Construct a single food chain based on each of the following descriptions.
  - A loon eats a walleye which feeds on a catfish.
  - Algae are eaten by snails which are eaten by crayfish which in turn eaten by catfish.
  - small aquatic plants are eaten by zebra mussels which are eaten by goby (a fish)
  - small aquatic plants are eaten by snails which are eaten by ducks
  - a wolf eats a moose which in turn eats aquatic plants
  - phytoplankton are eaten by zooplankton which are eaten by herring which are eaten by tuna which are eaten by dolphins
  - green plant is eaten by a grasshopper which is eaten by a field mouse which is eaten by a snake which is eaten by an eagle
  - a cougar eats squirrels which eat grasshoppers which eat dandelions
- Represent all of the following food chains with a well-designed food web on one piece of blank paper, 21 cm x 30 cm large. Each organism should only be represented once.
  - conifer needles → grouse → hawk
  - conifer seeds → field mouse → cougar
  - dandelions → grasshopper → squirrel
  - berries from shrubs → shrew → hawk
  - dandelions → grasshopper → spider → field mouse
  - grasses/thistles → grasshopper → spider → squirrel
  - grasses/thistles → deer → cougar
  - conifer seeds → squirrel → cougar
  - grasses/thistles → grasshopper → squirrel → hawk
  - conifer seeds → grouse → hawk
  - dandelions → deer → cougar
  - berries from shrubs → grouse → hawk
  - conifer seeds → squirrel → hawk
  - conifer seeds → field mouse → hawk
  - berries from shrubs → shrew → cougar
  - berries from shrubs → deer → cougar
  - dandelions → grasshopper → spider → shrew
  - grasses/thistles → grasshopper → grouse
  - berries from shrubs → squirrel → cougar
  - berries from shrubs → field mouse → hawk
- Refer to the diagram of a "Food Web For a Deciduous(Temperate) Forest" in answering these questions.
  - Name four food sources of a skunk.
  - Name all of the organisms that feed on mice.
  - Name three omnivores in the ecosystem.
  - Name five carnivores and two herbivores in the ecosystem.
  - Write out two food chains that are only two organisms long.
  - Write out four food chains that are three organisms long.
  - Write out three food chains that are four organisms long.
  - Name all six top carnivores in the food web