Directions: Create a food chain, food web, trophic pyramid, and biomass pyramid using the following organisms. The producers contain 320,000Kg of biomass and 76,449KJ of energy.

**BROWN TROUT**: They commonly feed upon land and water insects, zooplankton, worms, crayfish, salamanders, small frogs, small clams, snails, and a variety of small fish.

**ALGAE:** Uses the sun’s energy for photosynthesis.

**TADPOLES:** Most tadpoles feed on plants and algae.

**SALAMANDER:** Aquatic salamanders eat crustaceans or aquatic insects

**CATTAILS:** Use the sun’s energy for photosynthesis.

**BLUE HERON:** Great blue herons are VERY tall (up to 6 ft!) wading birds that eat fish, frogs, salamanders, snakes, small mammals, land insects, birds, small turtles, and some plants.

**AQUATIC WORMS: Decomposers.** They eat any small bits of dead plant or animal matter they find. This worm often arranges itself head downward by building a small tube in the mud and letting its butt stick out into the water.

**SNAPPING TURTLE:** Eats just about anything it can fit in its mouth, such as large dead organisms it can shred, baby ducks, fish, worms, frogs, algae and other aquatic plants, etc…

**MAYFLY NYMPH:** Feed mainly on plant matter, like algae and cattails.