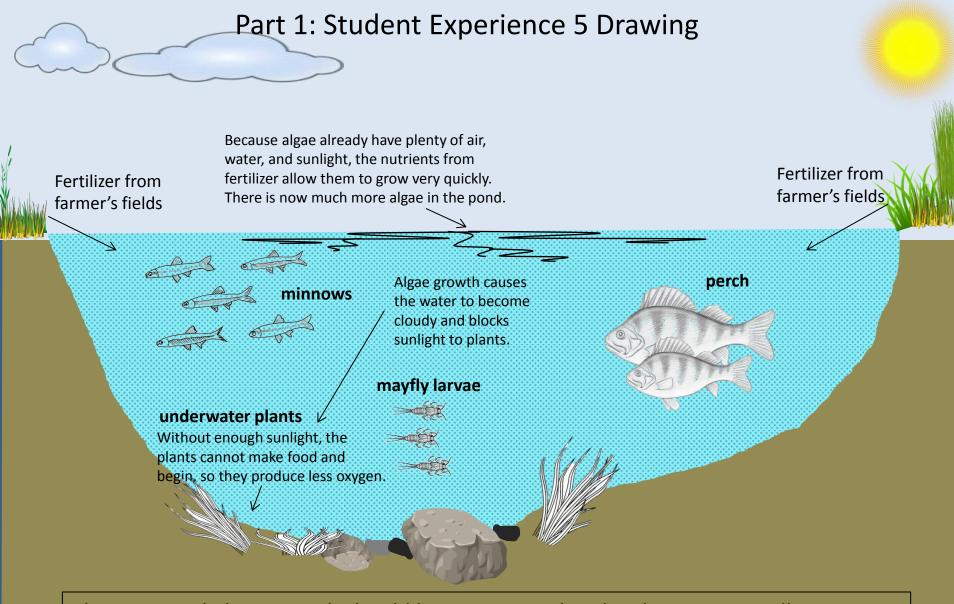


In this first drawing, students should include examples of the populations of organisms found in the pond. It may be helpful to keep the list of organisms created in Student Experience 1 on display for students to reference.



The increased algae growth should be represented in this drawing, as well as an indication that the algae are blocking sunlight for the underwater plants.

## Part 2: Student Experience 5 Drawing

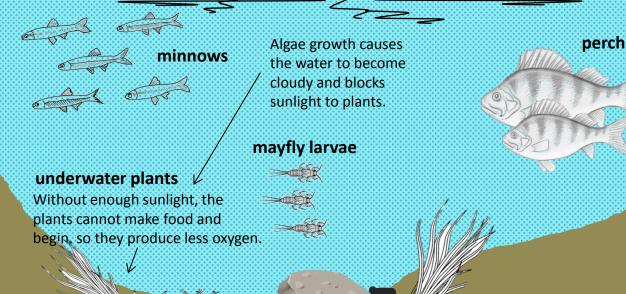
Decomposers (in this case, bacteria) consume the dead algae. They use oxygen in the process. Because there is a lot of dead algae, decomposers use a lot of the pond's oxygen.

Fertilizer from farmer's fields

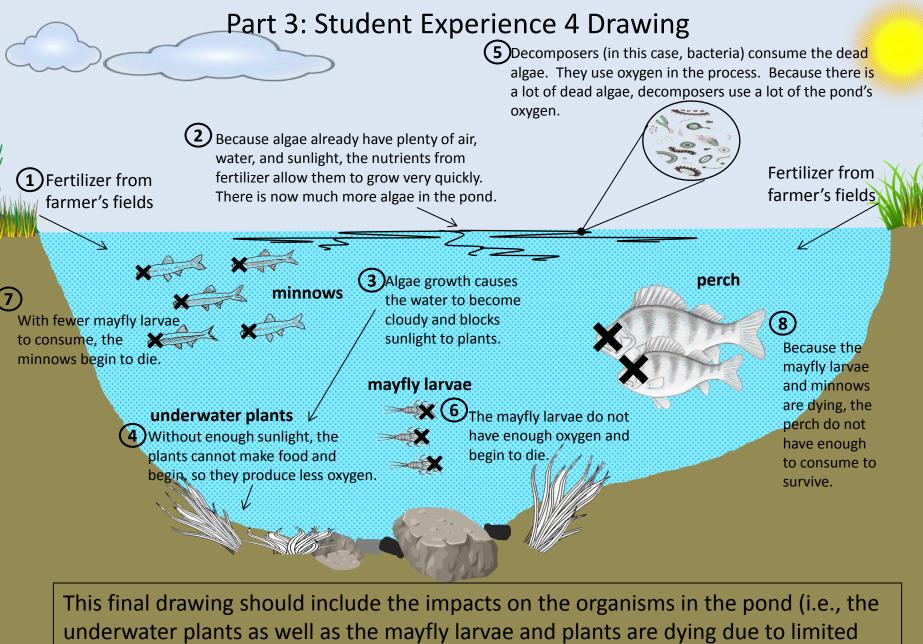
Because algae already have plenty of air, water, and sunlight, the nutrients from fertilizer allow them to grow very quickly.

There is now much more algae in the pond.

Fertilizer from farmer's fields



This drawing should include decomposers (bacteria) and their role in the pond.



This final drawing should include the impacts on the organisms in the pond (i.e., the underwater plants as well as the mayfly larvae and plants are dying due to limited sunlight and oxygen). [Numbers are included here to represent an order of events, but are not necessary in student drawings.]