

Handout 2

STOP & THINK: What is something that you can learn from a scientific study but that you can't learn from a simulation?

Amount of Sunlight at Passion Puddle

Circle True or False for the statement below:

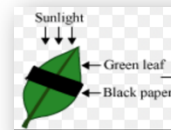
We can conclude from this resource that more sunlight in the summer caused the algal bloom at the pond. **T** or **F**.



Plants in Sunlight

What does this resource show?

- a) Leaves need soil to make their own food.
- b) Leaves need sunlight to make their own food.
- c) Leaves need aluminum foil to make their own food.
- d) Leaves do not make their own food.



Fertilizer and Plants

Part A: Fertilizer and Water Lilies

1. What happened when the gardeners put fertilizer on the grass and water lilies?
 - a. None of the grass, water lilies, or algae grew.
 - b. The fertilizer helped the grass and water lilies to grow but not the algae.
 - c. The fertilizer helped the grass, water lilies, and algae to grow.



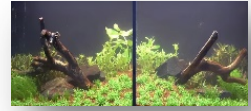
Part C: Fertilizer and Algae

2. How much fertilizer did the algae need to grow in the jars?
 - a. None! The algae always grew
 - b. 2 or more drops
 - c. 6 or more drops
 - d. At least 12 drops



Air in Aquariums

1. In which tank did the plants grow better? (Circle one)
 - a. The tank without added dissolved air
 - b. The tank with added dissolved air
 - c. The plants grew the same in both tanks



2. The vacuum machine video shows that plants need air.

True

False

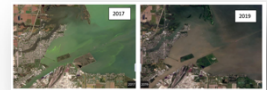
Reading Fertilizer Labels

1. Based on this resource, why do you think fertilizer helps plants grow?



Lake Erie Algal Blooms

Why do you think the algae did not grow in Lake Erie in 2019?



BEFORE YOU GO: What is something that you can learn from a simulation
(that you can't learn from a scientific study)?
