

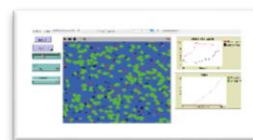
Evidence Set 2 – Handout 2

STOP & THINK: Have you ever heard the word “simulation”? What do you think a simulation is?

Simulation

Instructions:

1. Set the algae to 10. Set the nutrients to high. Run the simulation.
2. Now, keep algae at 10. Set the nutrients to medium. Run the simulation.
3. Now, keep algae the same. Set the nutrients to low. Run the simulation.



Questions to Discuss in Your Group:

- What are you noticing? What happens when nutrients are high versus low?
- Based on the simulation, do algae grow faster when there is high, medium, or low nutrients? (make a check mark on your choice below):

High
Nutrients

Medium
Nutrients

Low
Nutrients

They're
all same!

I can't tell.

Instructions:

Try running the simulation a few times with algae at 10 and nutrients at medium. Don't change any settings- just click set up and then click go and see what happens. Repeat three times.

Question:

Did the simulation work exactly the same way every time, or was it different? (circle your choice):

Exactly the same

A little bit different

Very different

Name: _____ 5A or 5B Date: _____ SEEDS Y2 L2

Instructions:

1. Set algae to 100 and nutrients to medium. Now turn off the decomposers and run the simulation.
2. Try this again, but now turn decomposers back on and run the simulation.

Question:

3. What do you think decomposers do?

BEFORE YOU GO: What is one thing that you learned from the simulation today?

STOP & THINK: What is one way that simulations and scientific studies are similar, and one way that they are different?

Similar: _____

Different: _____

Evidence Discussion

- What is one way that simulations and scientific studies are similar, and one way that they are different?
- How could you use scientific studies and simulations together?
- Are simulations always useful?

Try to come to agreement on your ideas and your reasons!
Be ready to share with the class.

BEFORE YOU GO:

What questions do you have left about what's happening at Passion Puddle?

Write your questions on the sticky note and paste it on the question board.