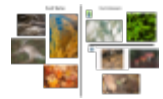


Lesson 3: Student Handout--Day 1

STOP & THINK: Why do you think the fish are suffocating? Give reasons to support your answer.

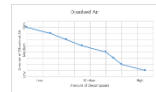
Station 1- Photos and Charts**Evidence 1a: Types of Decomposers**

1. Which of the following is not a decomposer? (circle)

birds worms bacteria fungi mold

Evidence 1b: Decomposers on Algae

1. When there is more dead matter, there are _____ decomposers (fill in the blank): more less the same amount of
2. What is your best guess about what the decomposers might be doing to the algae?
- a) The decomposers are making it greener
 - b) The decomposers are breaking it down
 - c) The decomposers are not doing anything to it

Evidence 1c: Dissolved Air

1. When there are lots of decomposers the amount of dissolved air is: _____
- Low High not affected by the amount of dissolved air
2. Why do you think there is less dissolved air when there are lots of decomposers- where is it going?
- a) There is no room for air in the water when there are lots of decomposers
 - b) The decomposers use the air when decomposing
 - c) The decomposers release air into the water when decomposing
 - d) The air is used up by the dead matter

Station 2- Baggie Experiment

1. Which food on the baggie has rotted the most?

2. Compare the cold baggie to the heat baggie. Which one has the most decomposed food?

Circle one: cold baggie heat baggie

3. Compare the wet baggie to the air baggie. Which one has the most decomposed food?



Circle one: wet baggie air baggie

4. Compare the dirt baggie to the wet baggie. Which one has the most decomposed food?

Circle one: dirt baggie wet baggie

5. Under what conditions are there the most decomposers?

Station 3-Videos

I Notice... 	I wonder... 
2 things I notice are... 	2 things I wonder are...

- 1 The fruits and vegetables are shrinking. Where is the matter in them (stuff they are made of) going?

Station 4- Microscopes

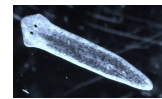
Spirogyra (green algae)

1. What does the spirogyra look like under the microscope? Describe it.



Planaria (flatworms)

2. Planaria are worms. They eat small living and dead animals. Would they be considered decomposers? Circle one.



Yes or No

Paramecium

3. I think paramecium is a decomposer / plant. Circle one.



Slides

4. Which of these three organisms is most likely to make up the green scum we saw in the pond video?

Spirogyra planaria paramecium

Station 5- Producer, Consumer, Decomposer

- 1 A deer is a _____. Circle one.

Producer consumer decomposer

- 2 Bacteria is a _____. Circle one.

Producer consumer decomposer

- 3 Algae is a _____. Circle one.

Producer consumer decomposer



Discuss

What did we learn from the evidence?
How should we change our model given the new
evidence?
What pieces of evidence do we want to add to the library
in MEME?

BEFORE YOU GO: What did you learn today from the evidence? And how should
you change your model based on the evidence?
