

**Lesson 3: Student Handout--Day 2**

**STOP & THINK:** Why is evidence important when we are trying to figure things out in science?

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**MEME Review: Add a Component and a Mechanism**

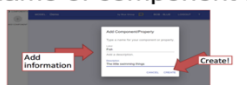
Update your model on MEME to include what we learned from the evidence and anything else that might be missing.

**MEME: Review**

To add a component click on the purple + button:



Type the name of component and click create:



**MEME: Review**

To add a mechanism click on the orange + button:




Then select target (where mechanism going from and to) and label the mechanism.

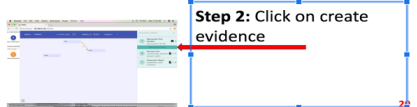

**MEME: Link Evidence**

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**Step 1:** Click on the resource (green box) that you want to add evidence to




**Step 2:** Click on create evidence




**MEME: Link Evidence**

**Step 3:** Name the evidence. For example, *sim shows fish in pond.*

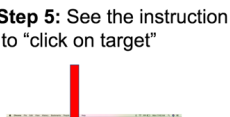


**Step 4:** Now we want to set target. Think: what does the evidence support? Click on "set target"




**MEME: Link Evidence**


**Step 5:** See the instruction to "click on target"



**Step 6:** Select the target, which is a component or mechanism.



Now see the evidence number and location in the green circle



**MEME: Link Evidence Individual Question**

Why is it important to link evidence?

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**MEME: Microscopic Simulation**

RUN 1:

- Set algae to high
- Turn decomposers on
- Run simulation to see what happens?!

RUN 2:

- Set algae to low
- Turn decomposers on
- Run simulation to see what happens?!

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**MEME: Microscopic Simulation Individual Question**

What happens when you run the simulation with decomposers off?

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**Discuss**

- What new evidence does the simulation provide?
- How can we revise our model based on this new evidence?

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**BEFORE YOU GO:** How do you know if what a simulation shows is really what happens in a pond?

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