

What has been done for you?

- Water has been collected from Silver Creek.
- The water was very cold until brought into the classroom.
- Leaves and grasses from the side of the road were added to the water.

1. How many living organisms do you expect to find in cold water found at the top of the creek?

2. Why were leaves and grasses added to the water?

3. Fill out the log over the next 2 weeks.

Log

Instruction: Place two drops of water onto the slide. Get the water from the bottom of the container. Place a slide cover over the drop. Use the smallest magnification levels to view your pond water with the depressed slides. If you use normal slides, you can use any magnification. Remember: Don't sketch bubbles or the edges of slides. Start with lower magnification and work your way up.

	Quantity found (How Many Organisms)	Organism Names Circle the name from your sketch	Sketch one of the organisms. Use the organism chart and try to identify it. Circle the organism from your list of organisms found.
Day 1			
Day 2			
Day 3			
Day 4			

Day 5			
Day 6			
Day 7			
Day 8			

4. Find the average rate of organism increase per day.
5. Create a function that could help you solve the answer to 5 and 6 for any amount of days.
6. If this trend of increase continued how many organisms would you expect to find in 50 days?
7. If this trend of increase continued how many organisms would you expect to find in 100 days?
8. This trend however would most likely not continue forever. Why would this be?
9. Plug your chart data into a spreadsheet, and create a calculation to calculate the average and totals. Create a chart that represents your data. Share that spreadsheet with Mr. Weir
10. Create 2 multiple-choice questions based on your data.