

Biology Pd. _____ Name _____

What type of microscopic life will we find in pond water?

PRE-LAB

HYPOTHESIS--Write a hypothesis as to what kinds of microscopic organisms you will be able to see under the microscope when looking in pond water.

MATERIALS--You will need the following materials to conduct your experiment; Microscope, Dropper, Pond Water, slide, cover slip

PROCEDURE

1. Put a very small drop of pond water on a slide. Place a cover slip over it.
Is there anything in the water? What do you see?
2. Now look at the drop of water through the microscope at 40x magnification. (ALWAYS START ON LOW POWER!!) Is there anything in the water? What do you see?
3. Once you see a living thing, follow it closely and sketch it in your notebook. Draw some of the paths it takes as it moves across the field of your microscope.
4. Repeat steps 2 -- 4 at 100x magnification.

LAB

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OBSERVATIONS

Make sure to make many observations about the living things you discover. Be sure to include their shape, color, relative size, how they move. Make at least 4 observations. Draw Pictures of two different types or organisms you observed.

Drawing of first organism



Drawing of second organism



POST LAB
DATA ANALYSIS

1. Describe the shape and movement of your first organism.
2. Describe the shape and movement of your second organism
3. How many different kinds of organisms have you seen? If you had to name these organisms in a way that describes them, what names would you give them?
4. Compare: How are your organisms alike? How are your organisms different?
5. Do you see something in the field that is not moving? What could this be?
6. Do your organisms seem to be made up of more than one cell??