|  |  |
| --- | --- |
| **Science 8****Lab: Organisms Living in Pond Water** | **Name:Date:Block:** |

**Material**

* Microscope
* Microscope slide
* Cover slip
* Eyedropper
* Pond water

**Procedure**

1. Get a microscope and bring it to your work bench.
2. Use an eyedropper to take a sample of pond water. Prepare a wet mount of the pond water.
3. Examine the slide with the low and medium power objective lenses.
4. Draw what you see in the circle below. Include at least one living organism.

*Your biological diagram should be detailed, completed in pencil, and must include the following: a title, labels with straight horizontal lines, and the total magnification*

Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Total Magnification: \_\_\_\_\_X

**What are the seven characteristics of living things?**

|  |  |  |  |
| --- | --- | --- | --- |
| 1.  | 2.  | 3.  | 4.  |
| 5.  | 6.  | 7.  |  |

**Which of the seven characteristics were you able to observe?**

**Rubric: Biological Diagram**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Beginning** | **Developing** | **Competent** | **Accomplished** |
| **Title** | Absent | Not descriptiveMessy | Somewhat descriptiveNeat | Clear and descriptiveNeat |
| **Labels** | MinimalMessy | Not completeNot very neat | Almost completeSomewhat clear and neatDiagonal lines | CompleteClear and neatHorizontal lines done with a ruler  |
| **Drawing** | MessyIncompleteNo shading or stipplingCompleted in pen | Few detailsLittle stippling and/or shading  | Some detailsSome shading and some stipplingAn adequate representation of what is seenIn pencil | Detailed Stippled and shadedA good representation of what is seenIn pencil |
| **Magnification** | Absent | Only objective lens |  | Correct (objective and ocular strengths multiplied together) |