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| **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 descriptive  Messy | Somewhat descriptive  Neat | Clear and descriptive  Neat |
| **Labels** | Minimal  Messy | Not complete  Not very neat | Almost complete  Somewhat clear and neat  Diagonal lines | Complete  Clear and neat  Horizontal lines done with a ruler |
| **Drawing** | Messy  Incomplete  No shading or stippling  Completed in pen | Few details  Little stippling and/or shading | Some details  Some shading and some stippling  An adequate representation of what is seen  In pencil | Detailed  Stippled and shaded  A good representation of what is seen  In pencil |
| **Magnification** | Absent | Only objective lens |  | Correct (objective and ocular strengths multiplied together) |