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| **Biology 11**  **Mitosis Microscope lab** | **Name: Date:**  **Block:** |

Objective

* To better understand the process and stages of mitosis
* Apply the skills of using a microscope and to create biological drawings

Materials

* Microscope
* Lab handout
* Ruler
* Prepared root tip slides

Procedure

1. Using the microscope, determine the field of view at low power, medium power and high power. Refer to Rules of Biological drawings handout.
2. Starting on low power, focus in on the prepared slide. Make sure to use the course focus knob followed by the fine focus knob.
3. Switch lens to medium power; use the fine focus knob to help make the image clear. Repeat for high power. DO NOT USE the course focus knob on the high power lens.
4. Once the image is focused on high power, find the 6 stages of mitosis. Draw and label them below. Make sure each drawing follows the guidelines from the “Rules for Biological drawings” handout
5. Put all equipment away when done.

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