

# Mitosis Mini-Poster

**CLASS SET**

**Purpose:** This poster will help you to understand the process and product of mitosis through illustration of the process in the cell of a real organism.

## **Mini-Poster Steps:**

### **1. Organism Research**

- The teacher will assign your group an organism to research.
- Title the mini-poster using the name of the organism (both common and scientific names).
- Look up the diploid chromosome number of the assigned organism.
- Write this number underneath the title.
- Find an image of the organism and draw a picture of it on the RIGHT side of the paper.

### **2. Mitosis Diagram**

- Underneath the title, make a diagram showing interphase, the stages of mitosis, and cytokinesis in a cell of the assigned species.
  - Show the correct number of chromosomes at each stage, and the centrioles and nuclear membrane as needed.
  - Use the number of chromosomes from your research in your drawings.
  - EACH PERSON IN THE GROUP MUST DRAW AT LEAST ONE STAGE. Indicate the stage you drew by writing your name under the image.**
  - Underneath the drawings write the number of chromosomes present in each stage.

### **3. Explanation**

- Indicate which phases are part of mitosis.
- Underneath the diagram include a step-by-step explanation of each phase.
  - EACH PERSON should describe what happens to chromosomes and to the centrioles in the stage that they drew.**

### **4. Example**

