

# Twizzler Mitosis

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## Introduction

A cell follows the same general pattern of birth, growth, and aging as an entire organism. The body maintains healthy tissue by constantly replacing dying cells with new ones. There are five main stages to a cell life cycle. Most of the time, a cell is in the stage called Interphase, where the cell can grow and copy its DNA. This occurs prior to mitosis. The four stages of mitosis are prophase, metaphase, anaphase, and telophase.

## Materials:

- I. Plate
- II. Twizzlers ( used for building chromosomes)
- III. Pull and Peel twizzlers ( for spindles)
- IV. Chocolates (centrioles)

## **Directions:**

1. Using your notes you are to draw and label the 4 phases of mitosis.
  - a. Early Prophase & Late Prophase
  - b. Metaphase
  - c. Anaphase
  - d. Telophase
2. Use the materials given to you to re- create the pictures you have in your notes
  - a. Use the plate to draw the circle of the cell. Use the small plate for the nucleus.
3. Give a detailed description of what is going on in this process. (Use your notes)





