

## Mitosis Flipbook

Make a flipbook to illustrate the phases of mitosis. Make sure to identify which phase is on which page, and make sure that each part of the cell is colored the same throughout the book.

### MATERIALS

- computer paper or blank index cards
- circular object with a diameter of about 3-5 cm
- colored pencils
- scissors
- string
- hole punch

### Procedure

1. Cut computer paper into at least 20 rectangles, each 3" x 4.5" or use 3" x 5" or 4" x 6" index cards.
2. Use a circular object or a stencil to draw circles on each piece of tag board at the exact same spot, close to one end. Leave a few cards blank.
3. The first card should be a title page with Mitosis and your name.
4. Draw the stages of mitosis on the rest of the cards. To create a smooth animation, make only small changes between each of the stages. Be sure to show how cells change during and after telophase.
5. Place the cards in order of the stages of mitosis, from prophase through cytokinesis. Use the hole punch to make three holes along the side of each card opposite the cell drawing and bind it with string. You can bind it with duct tape or any other method you prefer, as well.
6. Flip through the book quickly to watch your cell undergo mitosis/meiosis.

### Due Monday, November 25

Graded on:

Flips smoothly (both in page flipping and viewing movement of chromosomes)	3 points
Colored to identify centrioles, different chromosomes, etc	3 points
Drawn neatly (by hand or with computer)	3 point
Complete (shows all stages of mitosis ending with 2 daughter cells)	3 point
Turned in on time?	2 point

Out of a total of 20 points