

Mitosis

GLE 0707.1.4 Illustrate how cell division occurs in sequential stages to maintain the chromosome number of a species.
GLE 0707.1.1 Make observations and describe the structure and function of organelles found in plant and animal cells.
GLE 0707.Inq.5 Communicate scientific understanding using descriptions, explanations, and models.



The photograph above shows a cell in mitosis.

1. Label the parts of the cell visible in the photograph.
2. Identify the stage of mitosis by writing the name below the photograph.
3. Make a sketch that shows the stage of mitosis that comes before the stage shown in the photograph. Label your sketch with the name of the stage.
4. Make a sketch that shows the stage of mitosis that comes after the stage shown in the photograph. Label your sketch with the name of the stage.
5. Compare the chromosome number of the parent cell with the daughter cells that are produced by mitosis.
6. What type of cell is shown in the drawing? Explain how you know.

Learn More Online

- View an animation at <http://www.cellsalive.com/mitosis.htm>
- Watch a video at <http://www.allthingsscience.com/video/490/The-Stages-of-Mitosis>

Grade 7 Science
Formative Assessment
