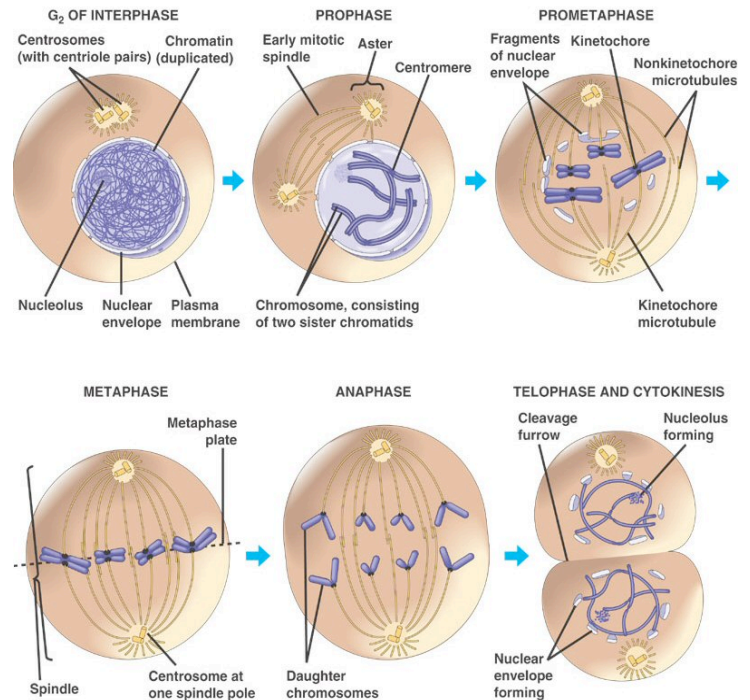


Mitosis and a Little Meiosis

Mitosis is nuclear division plus cytokinesis, and produces two identical daughter cells during prophase, prometaphase, metaphase, anaphase, and telophase. Interphase is often included in discussions of mitosis, but interphase is technically not part of mitosis, but rather encompasses stages G₁, S, and G₂ of the cell cycle. Answer the following questions and/or statements dealing with the process of mitosis.



- After the title page, Label each of the next 6 pages, INTERPHASE, PROPHASE, METAPHASE, ANAPHASE, TELOPHASE and CYTOKINEIS. The template will be set up for you.
- On each page, be sure to title it, **include a picture of that phase** and a description (from class) of what is going on.
- Plant and animal cell division is a little different. Describe the difference and **include a picture of each**.
- How is the outcome of meiosis different from mitosis?
- Where are meiotic cells produced?

Mitosis info: http://www.biology.arizona.edu/cell_bio/tutorials/cell_cycle/cells3.html
Diagram- <http://royaleb.wordpress.com/2009/04/27/mitosis/>