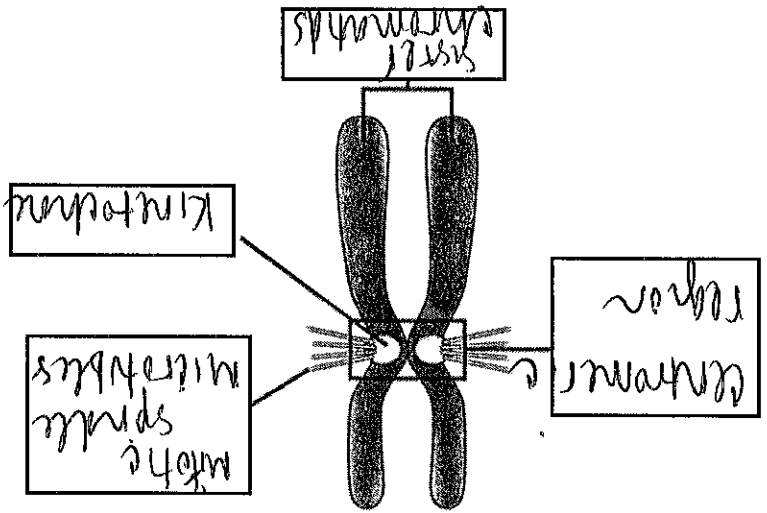


16. List the correct order of events during mitosis:

1. ~~Sister chromatids~~ P • prophase
2. M • metaphase
3. A • anaphase
4. T • telophase

17. Using figure 3, label the diagram illustrating sister chromatids. Make sure to include the following in your model and give a short description of each:

- Sister chromatids: line up at the metaphase plate
- centromeric region: sister chromatid pairs point called kinetochore
- mitotic spindle microtubules: form the mitotic spindle
- kinetochore: becomes attached to the mitotic spindle



During prophase, mitotic spindle microtubules from opposite poles attach to each sister chromatid at the kinetochore in anaphase, the connection between the sister chromatids breaks down, and the microtubules pull the chromosomes toward opposite poles.

18. Use the description of figure 3 to fill in the information to the right of the figure above.

Cytokinesis

19. Draw the difference between animal cell and plant cell cytokinesis. Write a description below:

