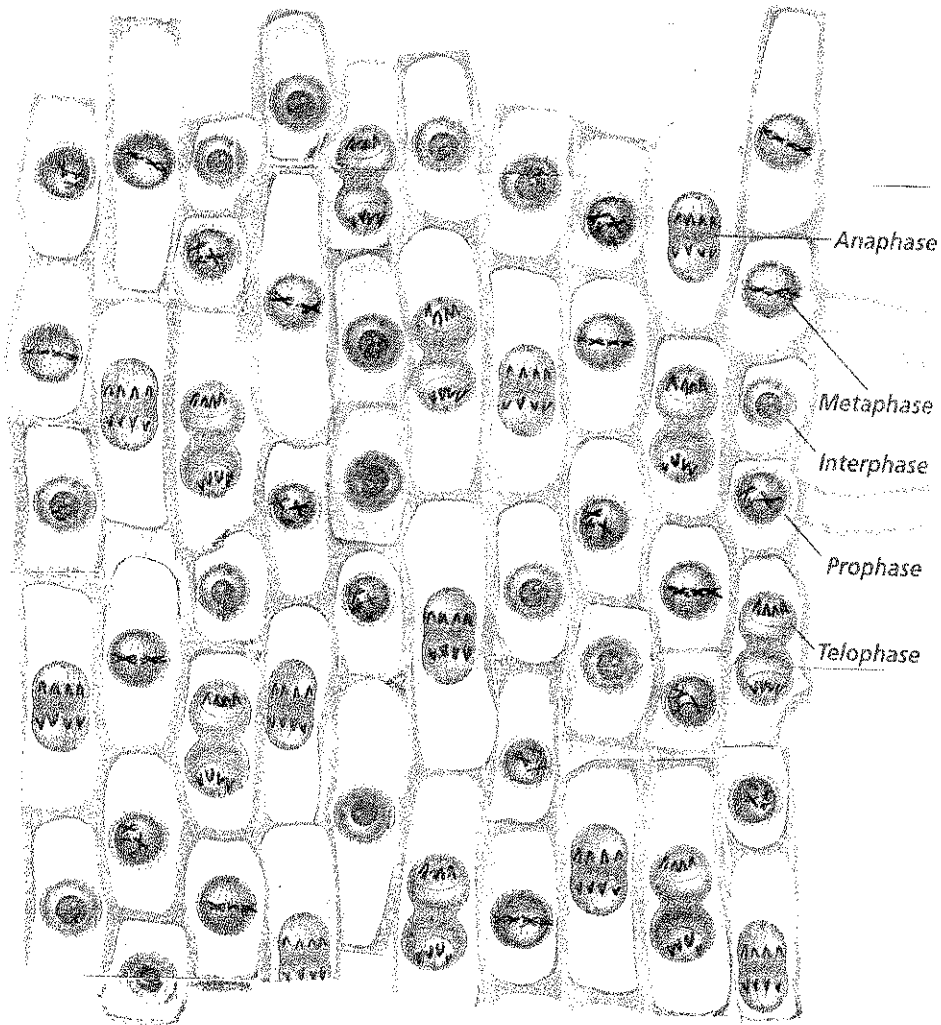


Mitosis of Onion Root Tip Cells



Refer to the picture shown to answer the questions.

1. Do all cells enter into mitosis at the same time?
2. Name the phases of mitosis in the order they occur.

Refer to the cells in the picture that are already labeled to identify the correct phases.
Include these in your count of each phase.

3. Label all of the cells in the picture that are in interphase with an I.
How many cells are in interphase?
4. Label all of the cells in the picture that are in prophase with a P.
How many cells are in prophase?
5. Label all of the cells in the picture that are in metaphase with an M.
How many cells are in metaphase?
6. Label all of the cells in the picture that are in anaphase with an A.
How many cells are in anaphase?
7. Label all of the cells in the picture that are in telophase with a T.
How many cells are in telophase?
8. In what phase are most of the cells found?
9. Is interphase part of mitosis?
10. In what phases are the chromosomes clearly visible?
11. What is cytokinesis?
12. In what phase does cytokinesis begin to show?
13. In what phase do the chromosomes line up across the middle of the cell?
14. In what phase do the chromosomes first become visible?