

MITOSIS

Centromere
- Chromatids are connected

Kinetochores

- Either ends of chromosome on either side of the centromere

Chromatid

PROPHASE

- Composed of 2 Chromatids at the center
- Mitotic Spindles form
- Microtubules form

METAPHASE

- Spindle Fibers attach to Kinetochores of chromosomes
- Chromosomes are aligned on the Metaphase Plate.

ANAPHASE

- Centromeres split and chromatids separate
- Chromatids move to opposite poles.

TELEPHASE

- Chromosomes cluster at opposite ends
- Identity lost as discrete elements

CYTOKINESIS

- Divides into 2 daughter cells

DAUGHTER CELLS

KARYOKINESIS

