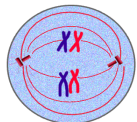
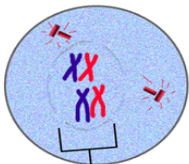
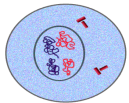
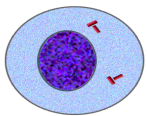


MEIOSIS

- ▶ Involves 2 _____ (_____ reproduction)
- ▶ _____ material is exchanged (_____)
- ▶ Involves _____ with
no _____ of DNA in between
- ▶ Each species has a _____
- ▶ For example humans:
 - ▶ total number of chromosomes is _____
 - ▶ _____ number is 46
 - ▶ _____
 - ▶ the number of chromosomes in the _____ (sex
cells, egg and sperm) is the _____
- ▶ Other examples
 - ▶ crayfish $2n =$ _____ fruit flies $2n =$ _____

PHASES OF MEIOSIS



INTERPHASE:

- ▶ Meiosis is preceded by _____
- ▶ The chromosomes have not yet _____
- ▶ The chromosomes have _____, and the _____ begins to _____

PROPHASE 1:

- ▶ the chromatin _____ to form _____
- ▶ homologous chromosomes _____ to form _____

METAPHASE 1:

- ▶ _____ line up across the _____ or _____ of the cell
- ▶ _____ of chromosomes attach to _____

ANAPHASE 1:

- ▶ _____ and move along spindle fibres towards the _____ or _____ of the cell

TELOPHASE 1 AND CYTOKINESIS:

- ▶ The cell begins to _____ into two _____.
- ▶ Each daughter cell can get _____ of _____ and _____ chromosomes.

PROPHASE 2:

- ▶ The cell has divided into _____

METAPHASE 2:

- ▶ As in Meiosis I, the _____ line up on the spindle fibers.
- ▶ _____ to the way they were aligned in metaphase I

ANAPHASE 2:

- ▶ _____ splits and _____ (single-stranded chromosomes) move to opposite _____

TELOPHASE 2:

- ▶ With the formation of _____, meiosis is over
- ▶ Each of these sex cells carry _____ the number of _____ of _____ cells. Therefore, we call them _____.