

Meiosis

Do Now

What organisms reproduce asexually (list 5)?



Two different types of cells
Somatic cells ($2n=46$)

Diploid

Gametes ($n=23$)

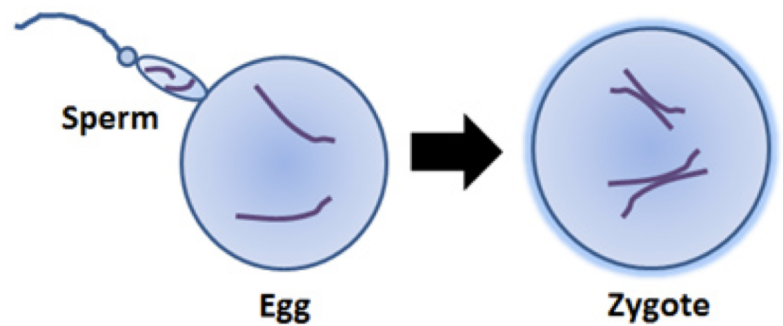
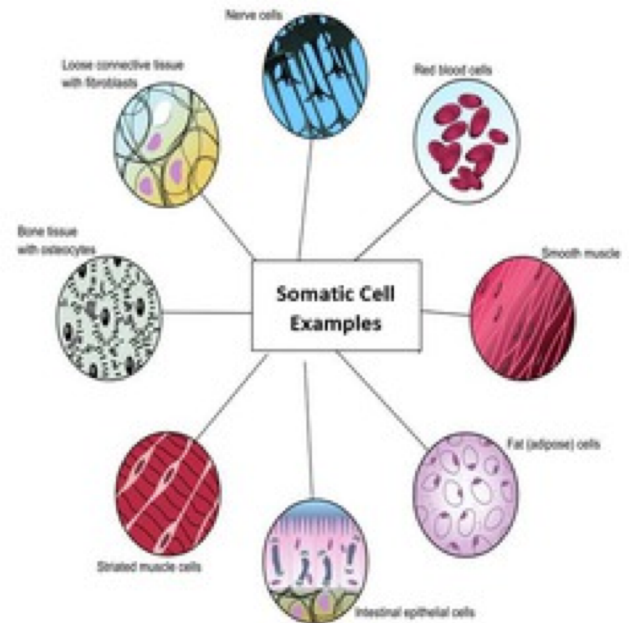
Haploid

“n”

Male gamete

Female gamete

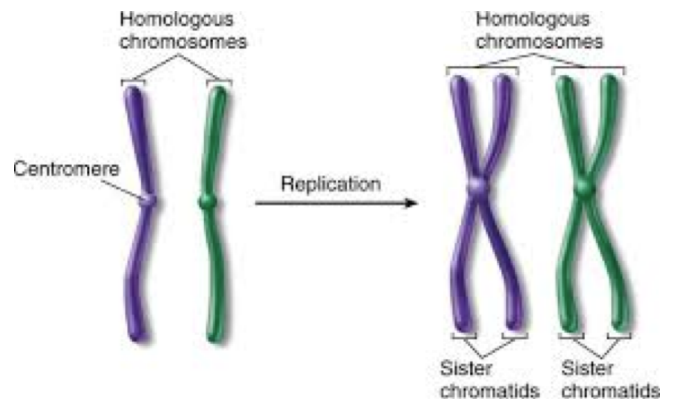
Fertilization



Meiosis

Chromosomes

Homologous chromosomes



Sex chromosomes



Meiosis

Interphase

Meiosis

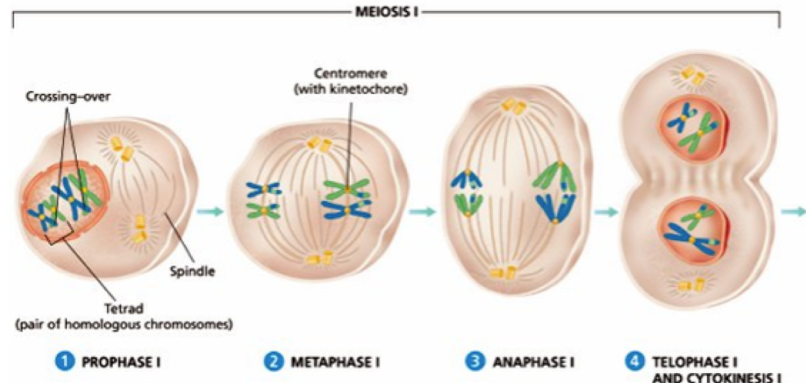
Meiosis I (four phases)

Prophase I

Metaphase I

Anaphase I

Telophase I (and cytokinesis I)



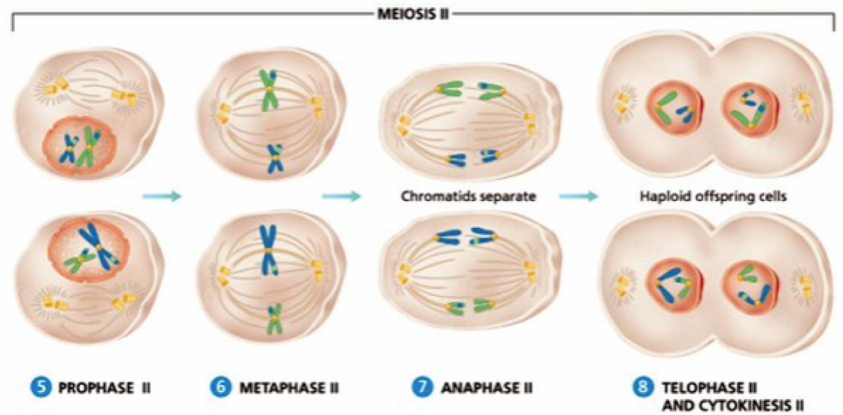
Meiosis II

Prophase II

Metaphase II

Anaphase II

Telophase II (and cytokinesis II)



Non-disjunction