

Vaders' Notes

and Development

Sexual vs. Asexual

Produces offspring \longleftrightarrow Produces offspring

Two Parents
 Offspring different
Variation

ONE Parent
 Offspring The Same
Identical



MITOSIS
 creates Two identical cells


MEIOSIS
 Very cell is different

Prophase

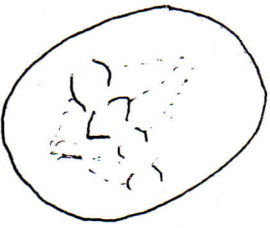
 Replication of chromosomes

Prophase I
 Replication of chromosomes

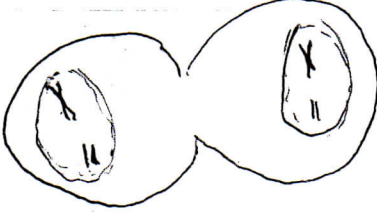
 Crossing over (synapsis)
 Chromosomes swap genes between matched pairs

Metaphase


Metaphase I


Anaphase


Anaphase I


Telophase


Telophase I


Meiosis II
 No Pairing of Matched chromosomes
 Four DIFFERENT Cells
