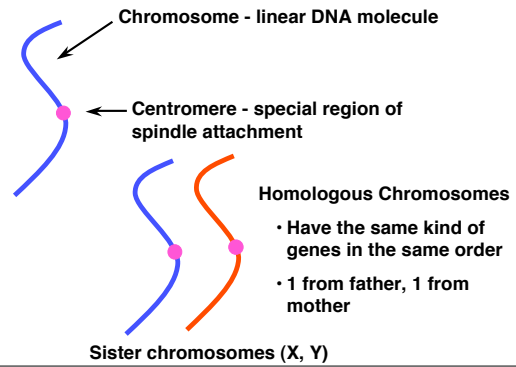


Lecture 17

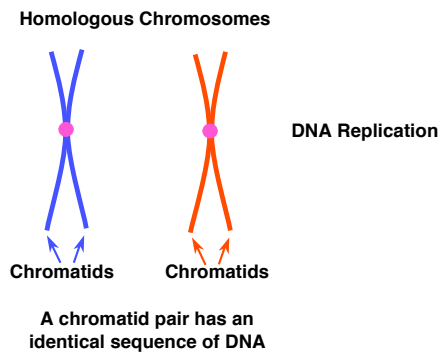
Gametogenesis at the Chromosomal level: Mitosis and Meiosis

Animal Science 434
John J. Parrish

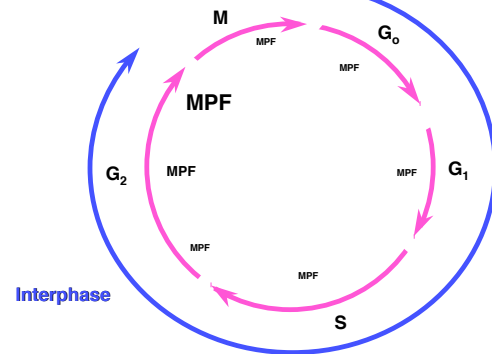
Definitions



Definitions



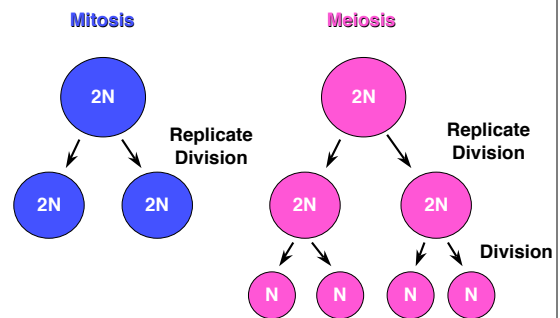
Cell Cycle

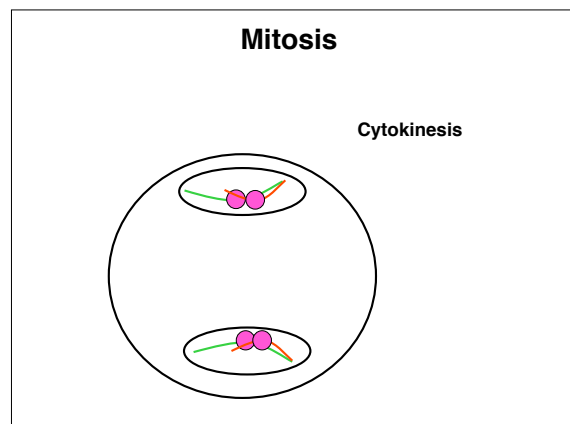
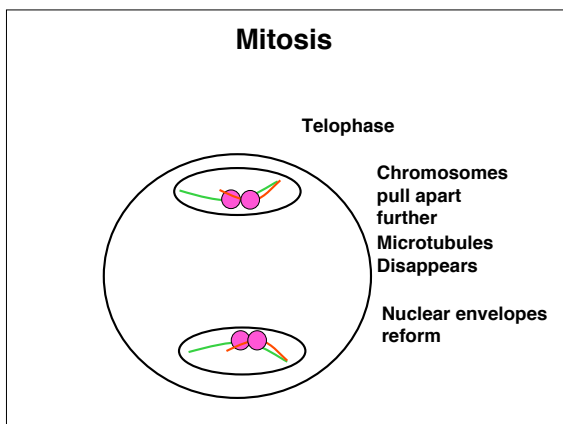
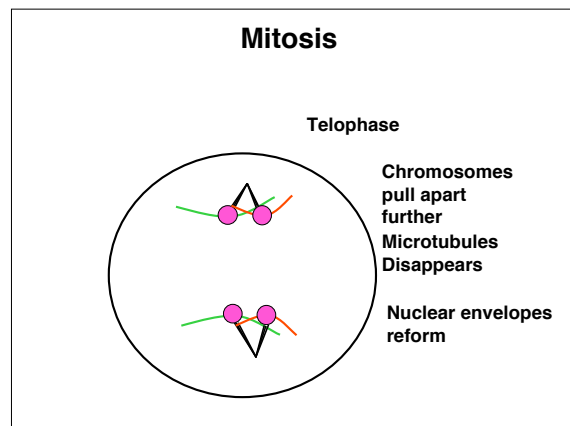
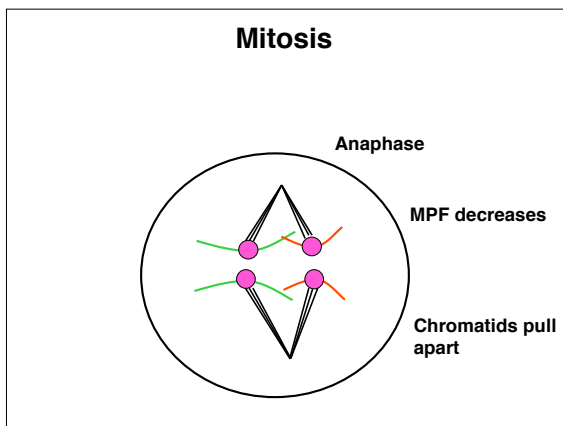
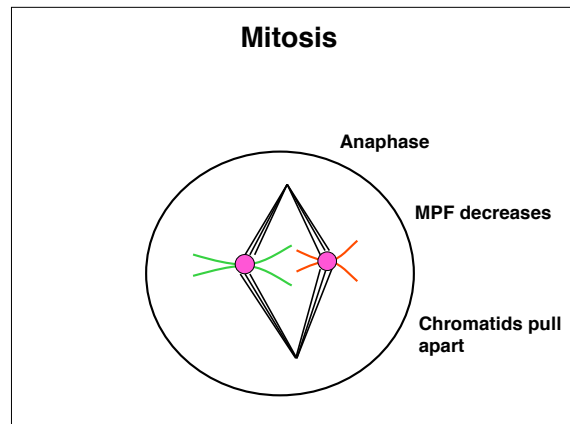
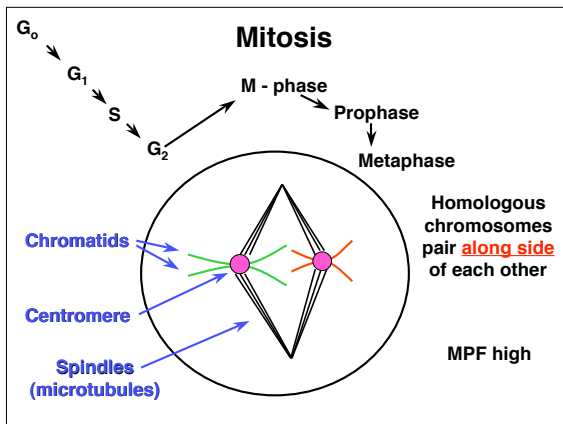


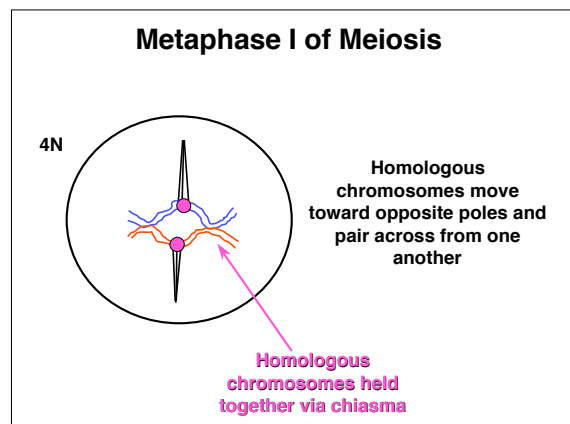
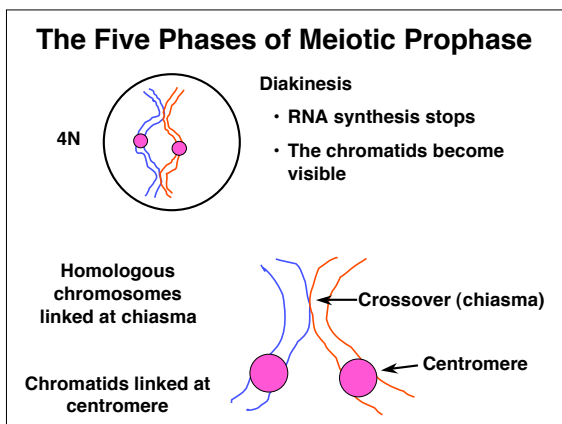
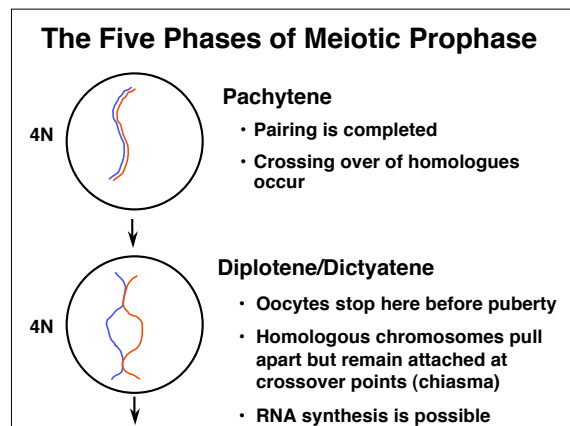
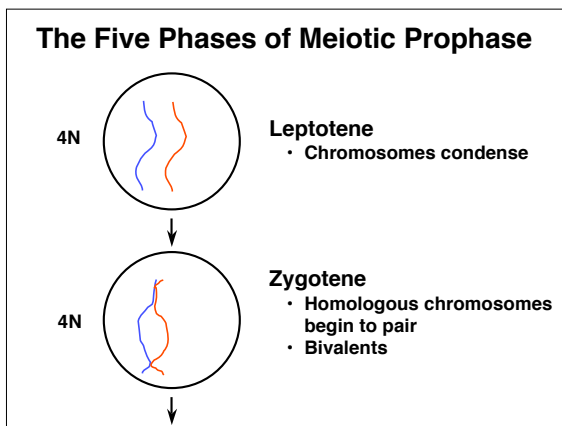
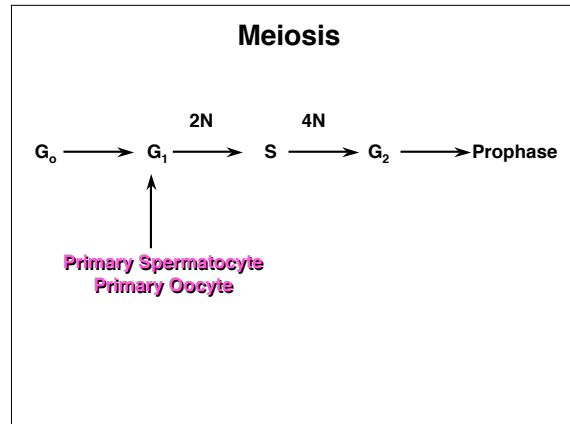
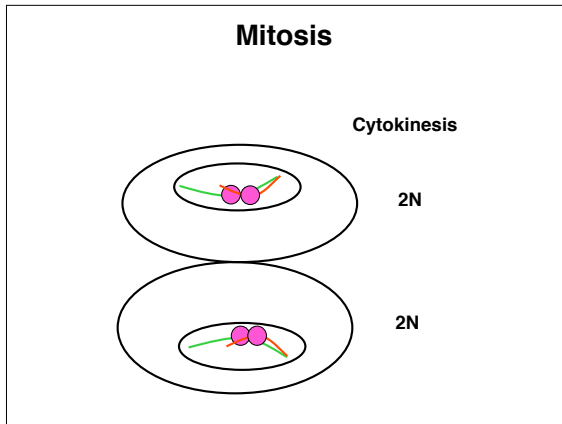
M - Phase

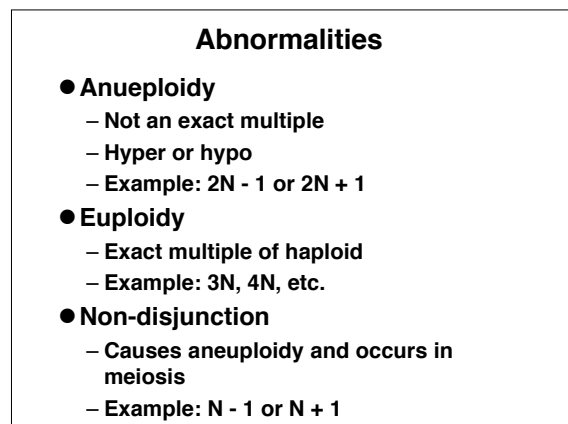
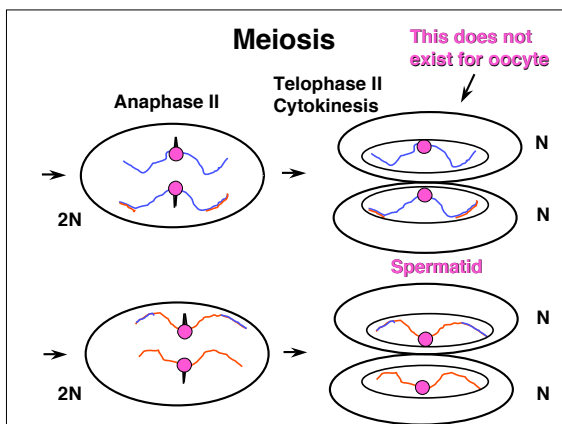
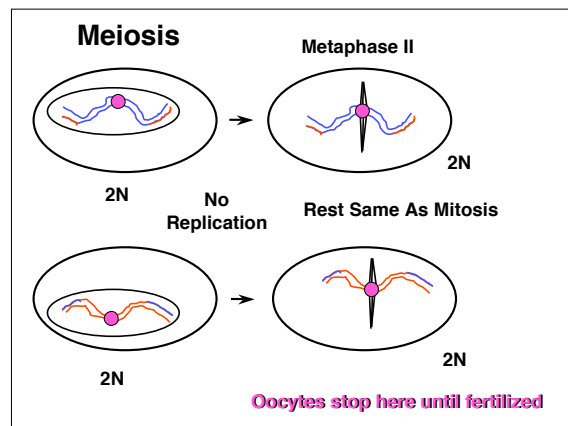
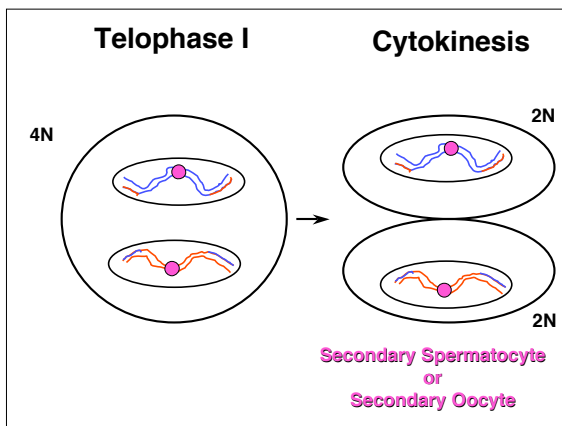
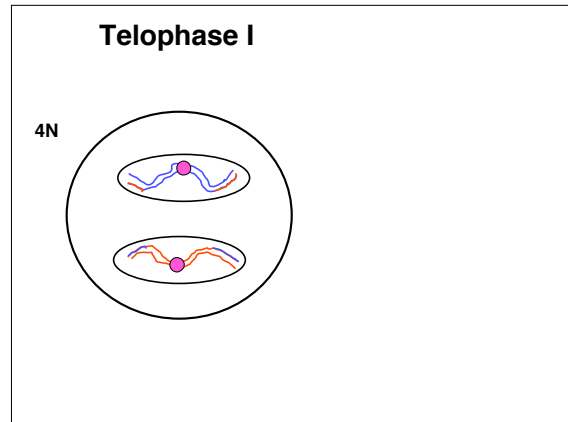
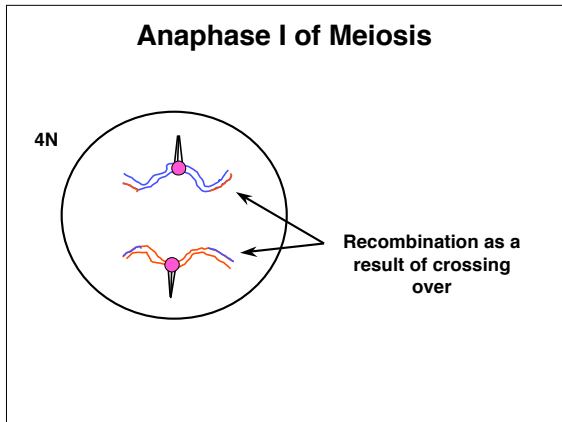
- Prophase
- Metaphase
- Anaphase
- Telophase
- Cytokinesis

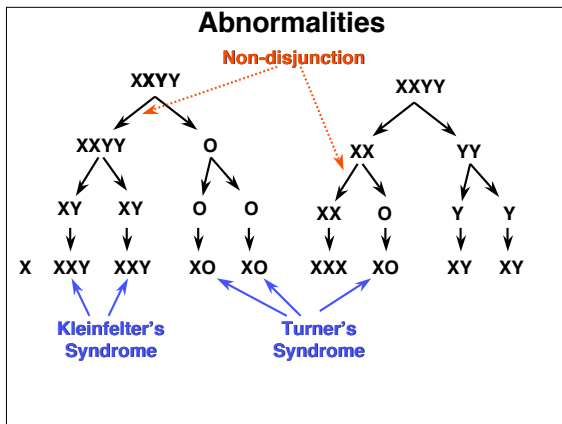
Grand Scheme











- ### Down's Syndrome
- Non-disjunction
 - Extra copy of chromosome 21
 - Probability increases with age
 - Age 35, 2 per 1000 births
 - Age 40, 6 per 1000 births
 - Age 45, 16 per 1000 births