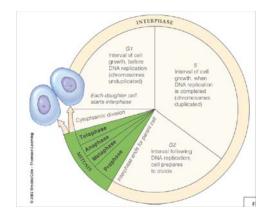
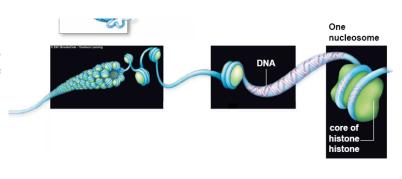
Unit Three Cell Division, Genetics, Evolution

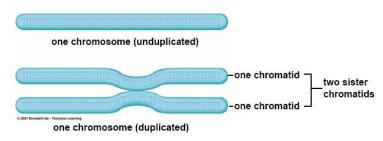
1. Cell Division

A. Mitosis 1) cell cycle $G_1 > S > G_2$ cytokineses - cell division karyokinesis - nuclear division

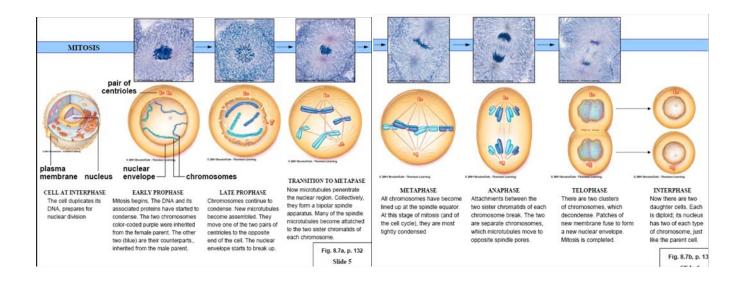


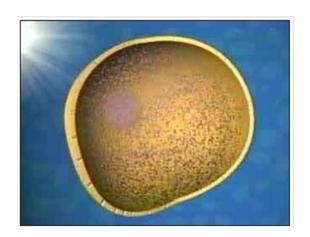
2)Chromosomes
nucleosome- cluster of 8 histones
histones - proteins
homologous - similar chromosomes
chromatids - duplicate chromosome
centromere - non-genetic portion
spindle - formed structure
asters - star-like formation
centrioles - non functional



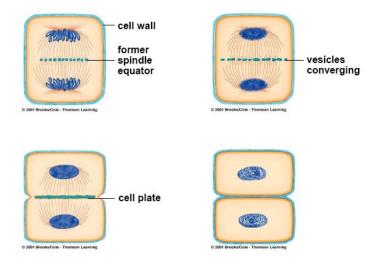


3) Phases prophase metaphase anaphase telophase

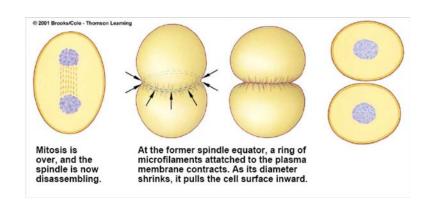




Plant Mitosis Cell plate / 'twctv'qh'egm'y cm



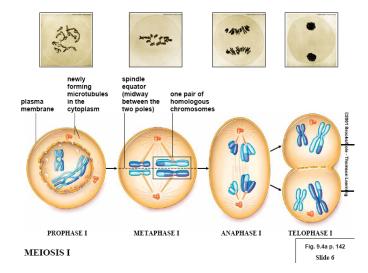
Animal Mitosis Cleavage furrow'''r kpej gu



B. Meiosis-Occurs in the sexual organs of animals ie ovaries and testis

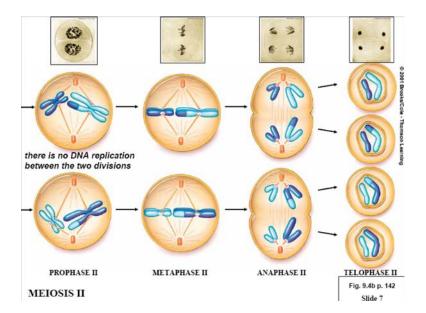
Meiosis I

- 1) prophase I
- 2) metaphase I
- 3) anaphase I
- 4) telophase I



Meiosis II

- 5) prophase II
- 6) metaphase II
- 7) anaphase II
- 8) telophase II



terms:

synapsis /"eqo kpi "\qi gyj gt
crossing over
tetrads"/"6"ej tqo quqo gu
diploid"/"dqyj "j qo qmi u
haploid"/"3"j qo qmi
spermatogenesis"/ur gto
oogenesis"/"gi i "r tqf we\kqp
nondisjunction"/"j qo qmi "u\kenkpi
polyploidy"/"o cp{"ugwu
parthenogenesis"/"xkti kp"dktyj
tetraploid"/"6"\ko gu'ej tqo quqo gu

