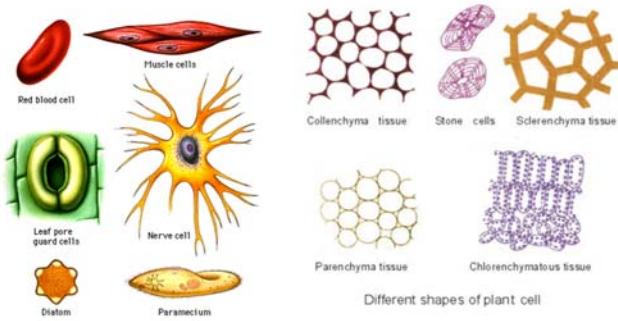


- Cells appear different
 - Different Shape, Size, Function



● **CHROMATIN:** Stringy DNA

CHROMOSOME: Condensed Chromatin

REPLICATED CHROMOSOME:

Chromatin and Condensed Chromosome Structure

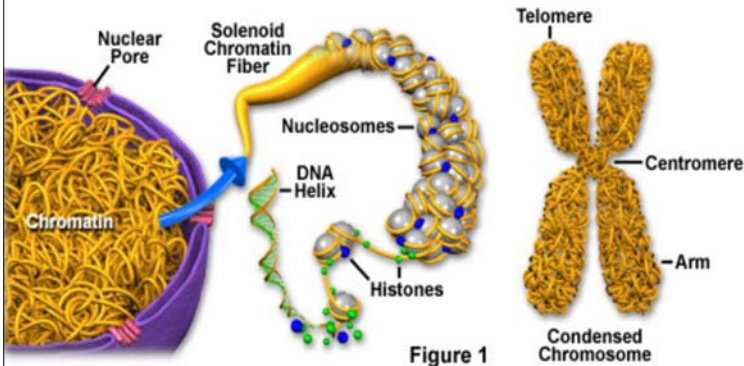
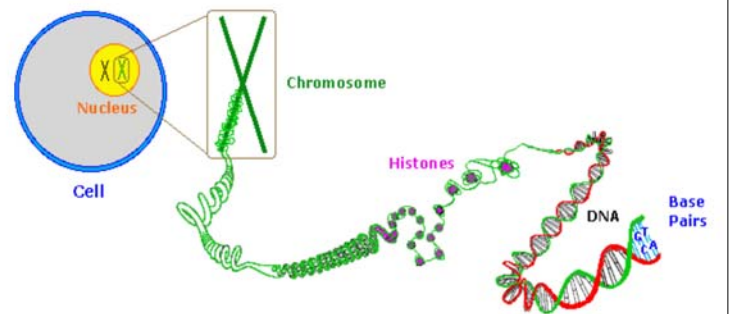
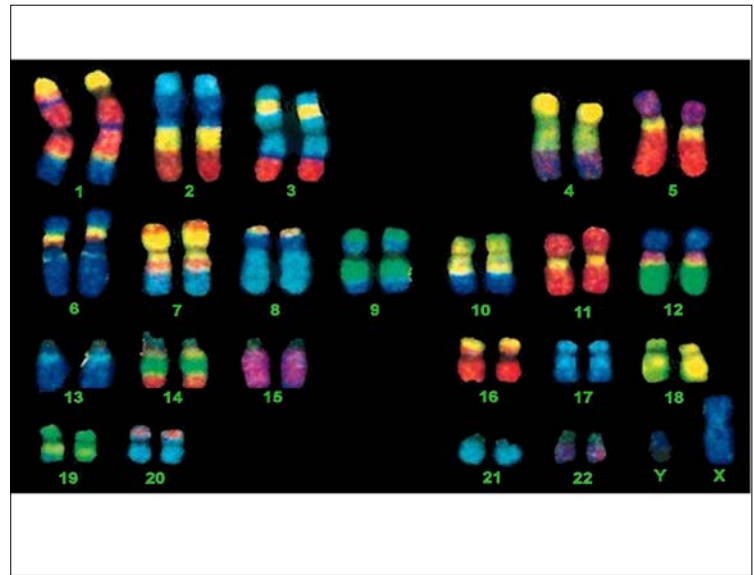
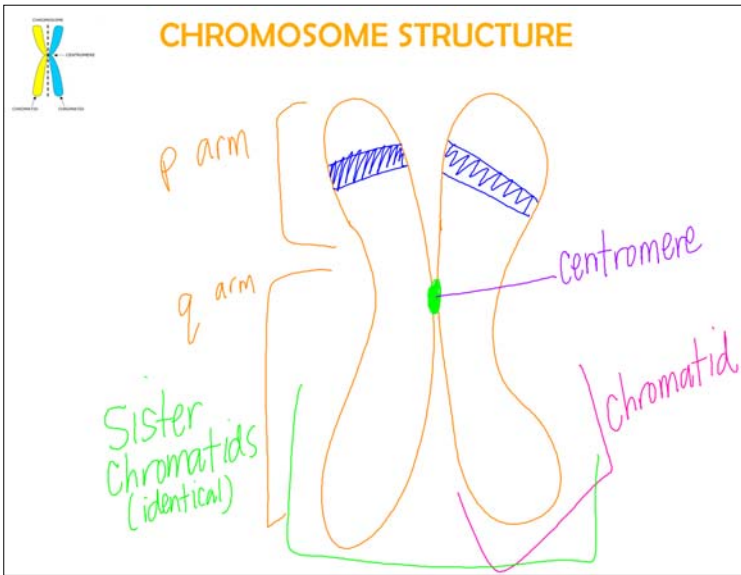


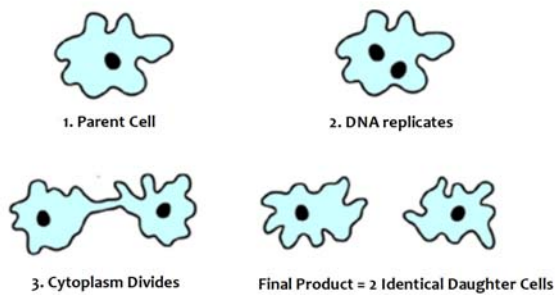
Figure 1





ASEXUAL REPRODUCTION:

1 Parent cell divides to form 2 identical Daughter cells



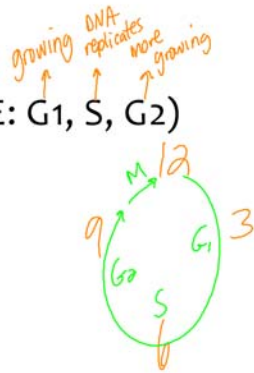
Asexual Reproduction Occurs in all human cells
EXCEPT SPERM & EGG CELLS!!

All Human Cells
(Except Sperm & Egg)
have 46 chromosomes

Cell Cycle:

1. **Grow** (INTERPHASE: G₁, S, G₂)

2. **Divide** (MITOSIS)



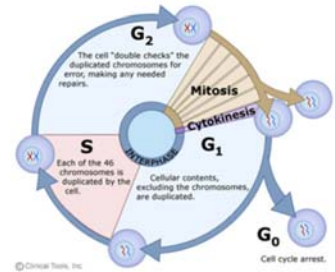
INTERPHASE:


○ Consists of 3 stages: G₁, S, G₂

G₁ = Growth

S = DNA Synthesis (Replication)

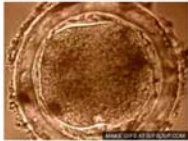
G₂ = More Growth






MITOSIS

(cell division)





Phases:

1. Prophase
2. Metaphase
3. Anaphase
4. Telophase

