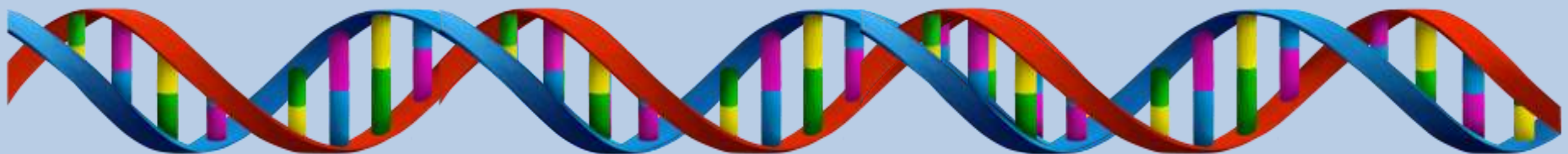


**Tape “Asexual Reproduction” on pg. 50**

- 1. Why is it beneficial for some organisms to do both sexual and asexual reproduction?**
- 2. What kind of reproduction are the planaria doing right now?**
- 3. How did reproduction have an impact on the Black Death/Plague?**

**(BE RESPECTFUL OF THE MATERIALS ON DESKS PLEASE)**



# Logistics

- **Unit 6 Assessment**
  - **Friday, February 7**
  - **So far we have covered objective 2-3**
  - **TODAY: obj. 1-7**

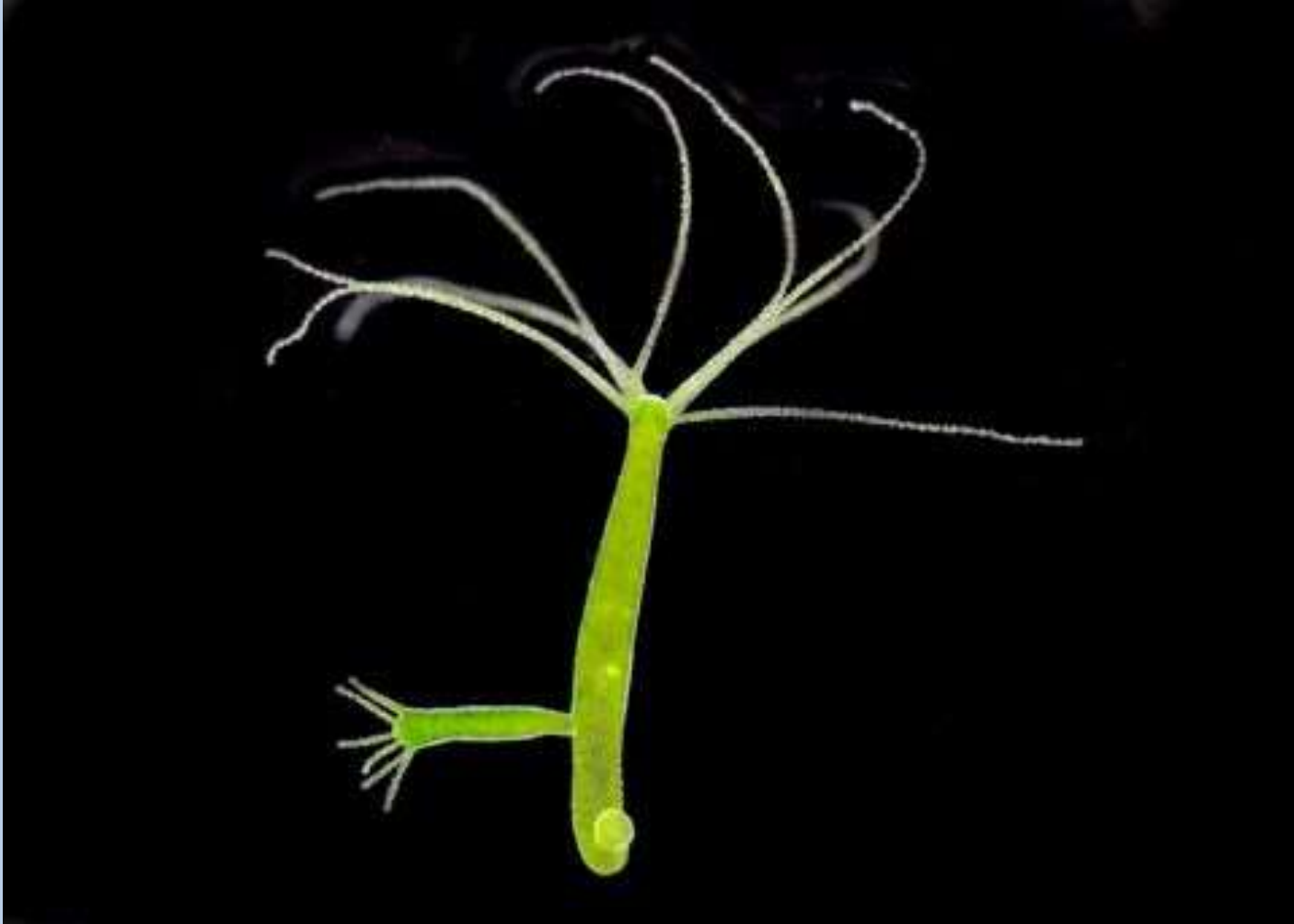
# Asexual Reproduction

- **Binary Fission:**



# Asexual Reproduction

- **Budding:**



# Asexual Reproduction

- Fragmentation:

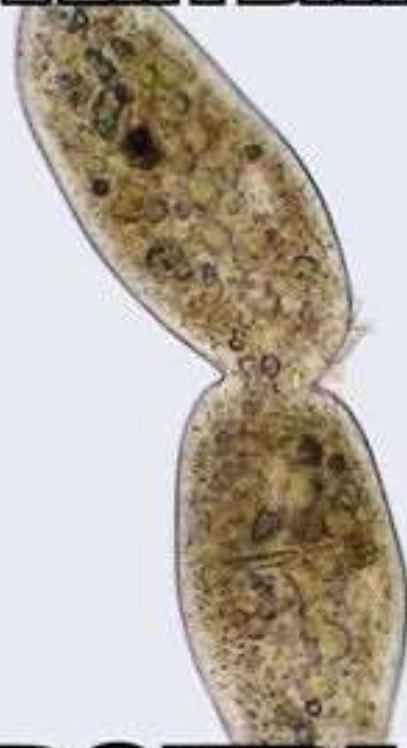


# Asexual Reproduction

- Parthenogenesis:



**EVERYDAY I'M**

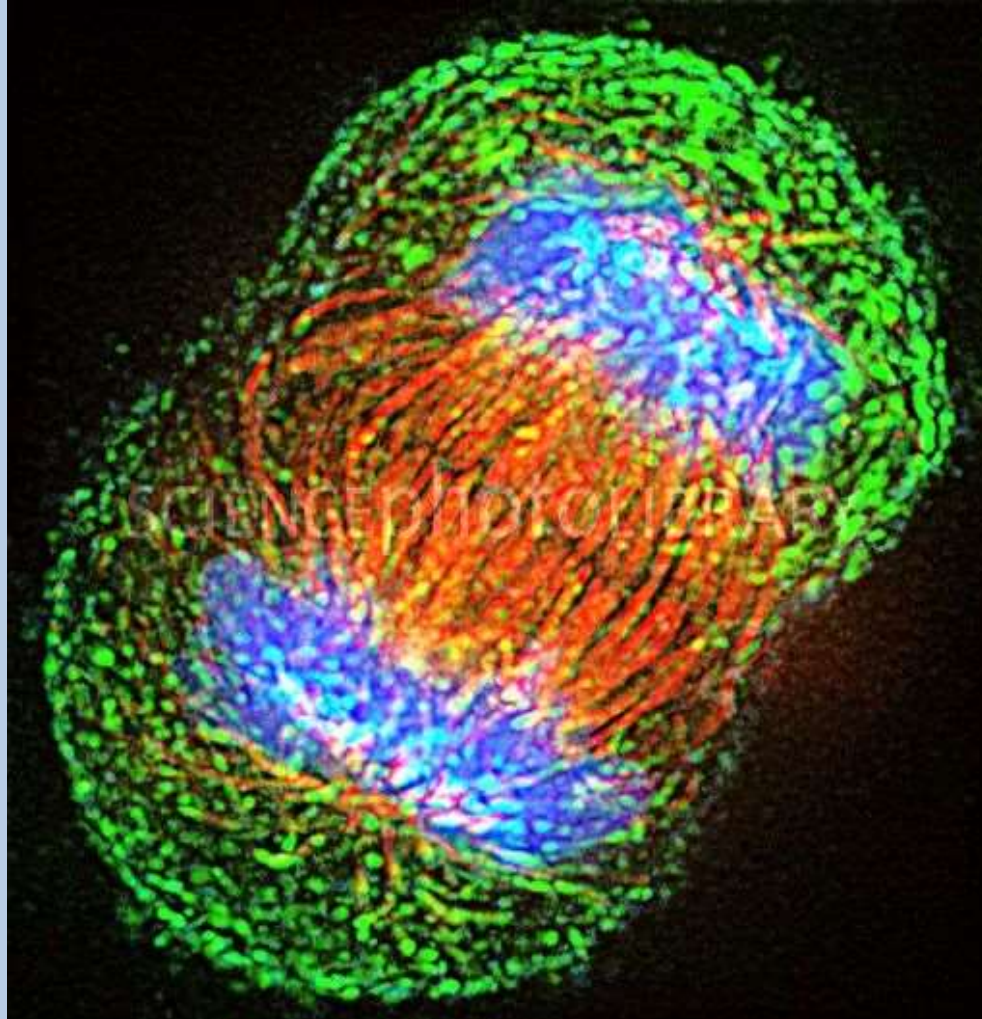


**DOUBLING**



# Mitosis

- Cell Division





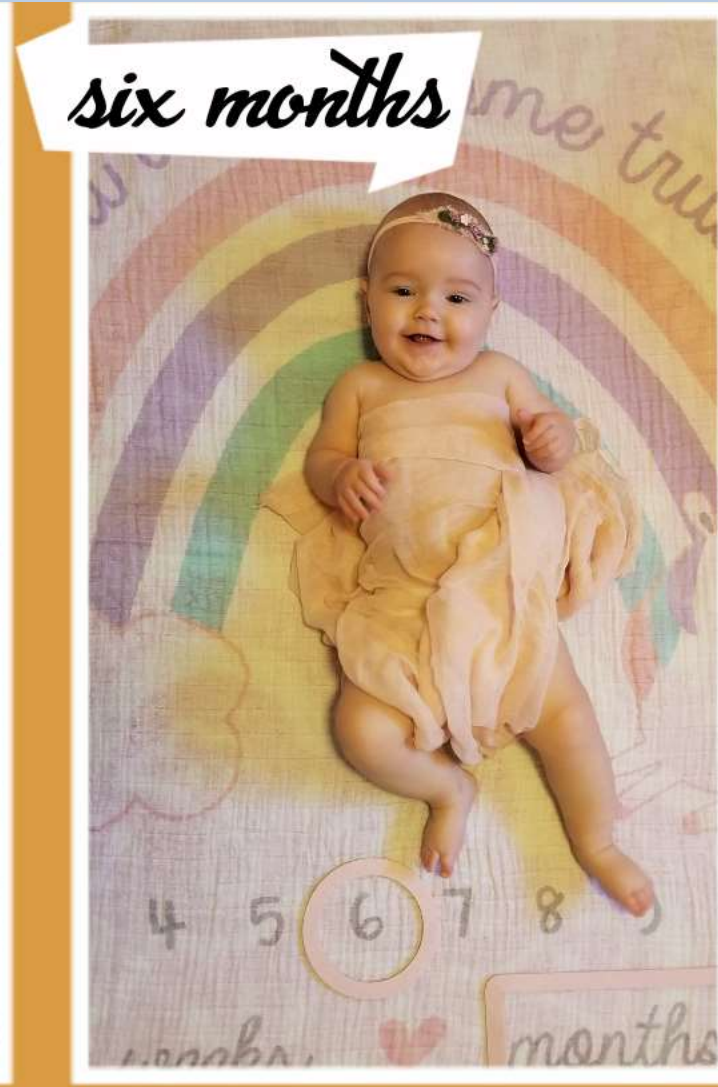
# Cells Need to Replicate...

**WHY?!**

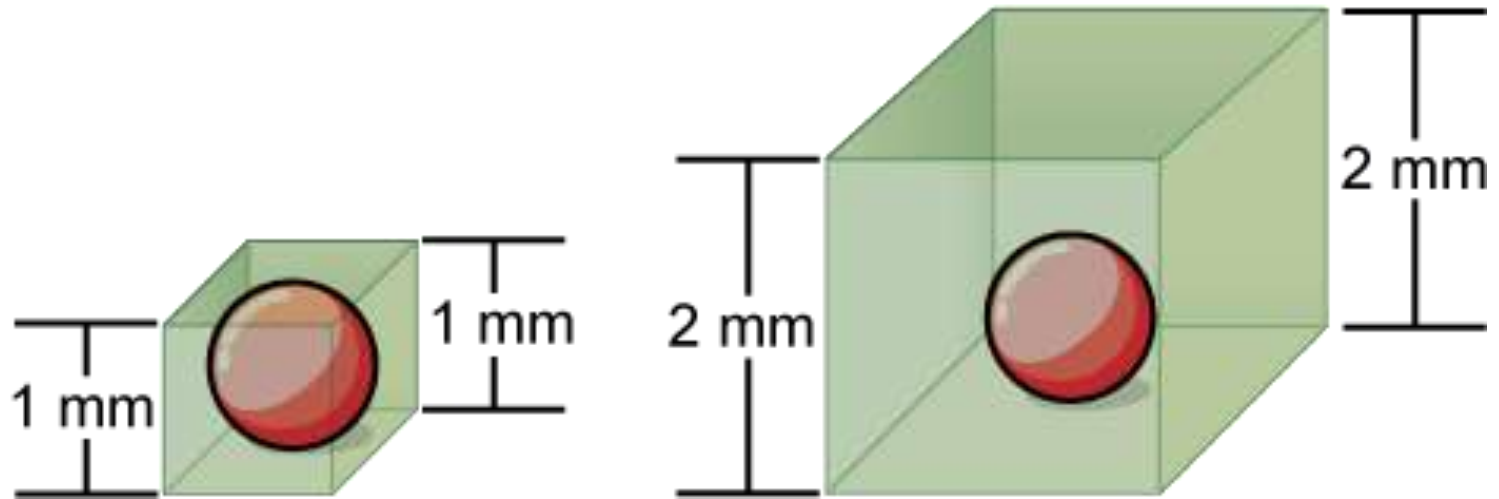
# Cells Need to Replicate...



# Cells Need to Replicate...



# Cells Need to Replicate...



# DNA

- **Deoxyribonucleic Acid**
- **HOW MUCH DNA DO YOU HAVE IN 1 CELL?**



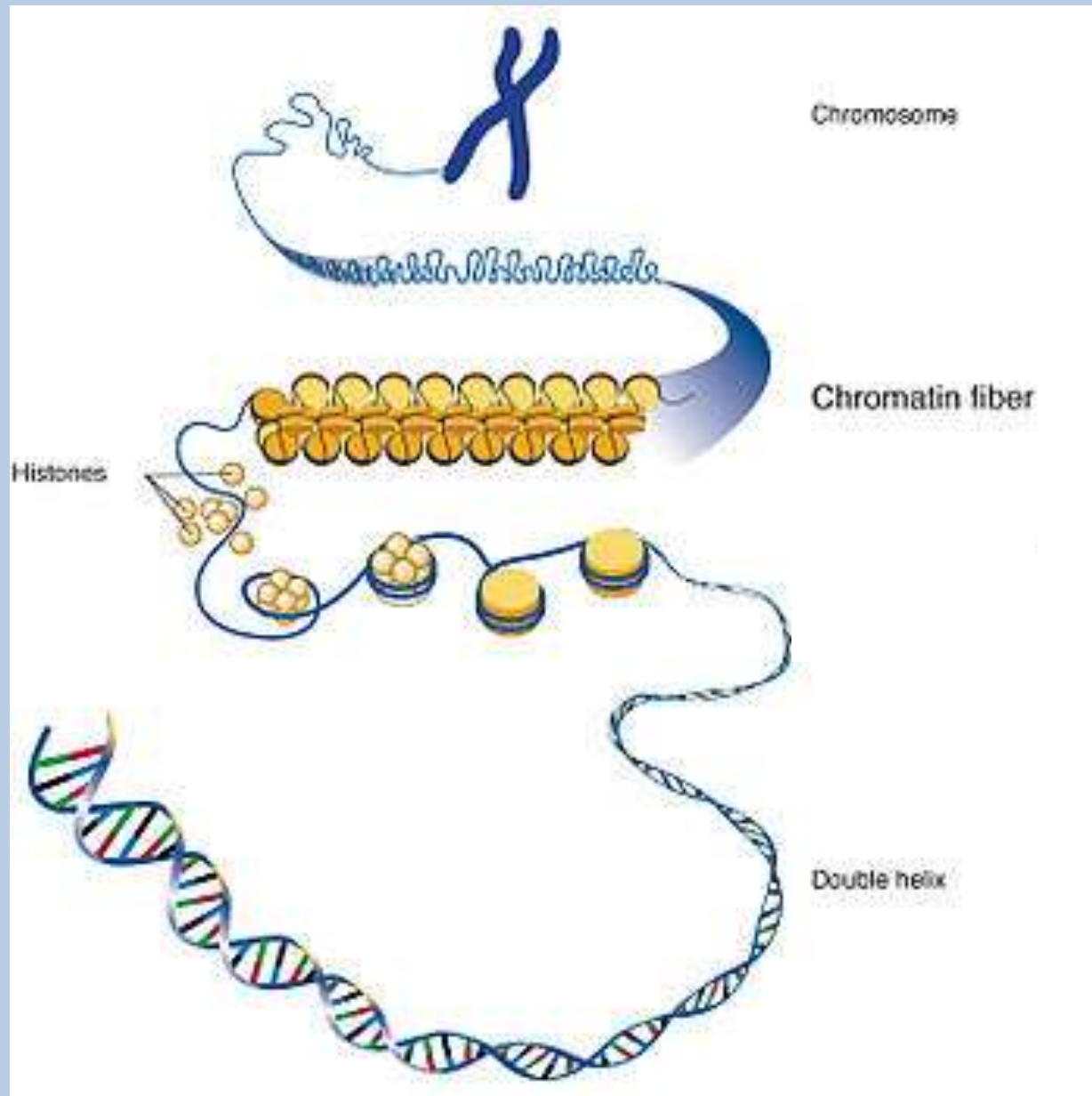
# DNA

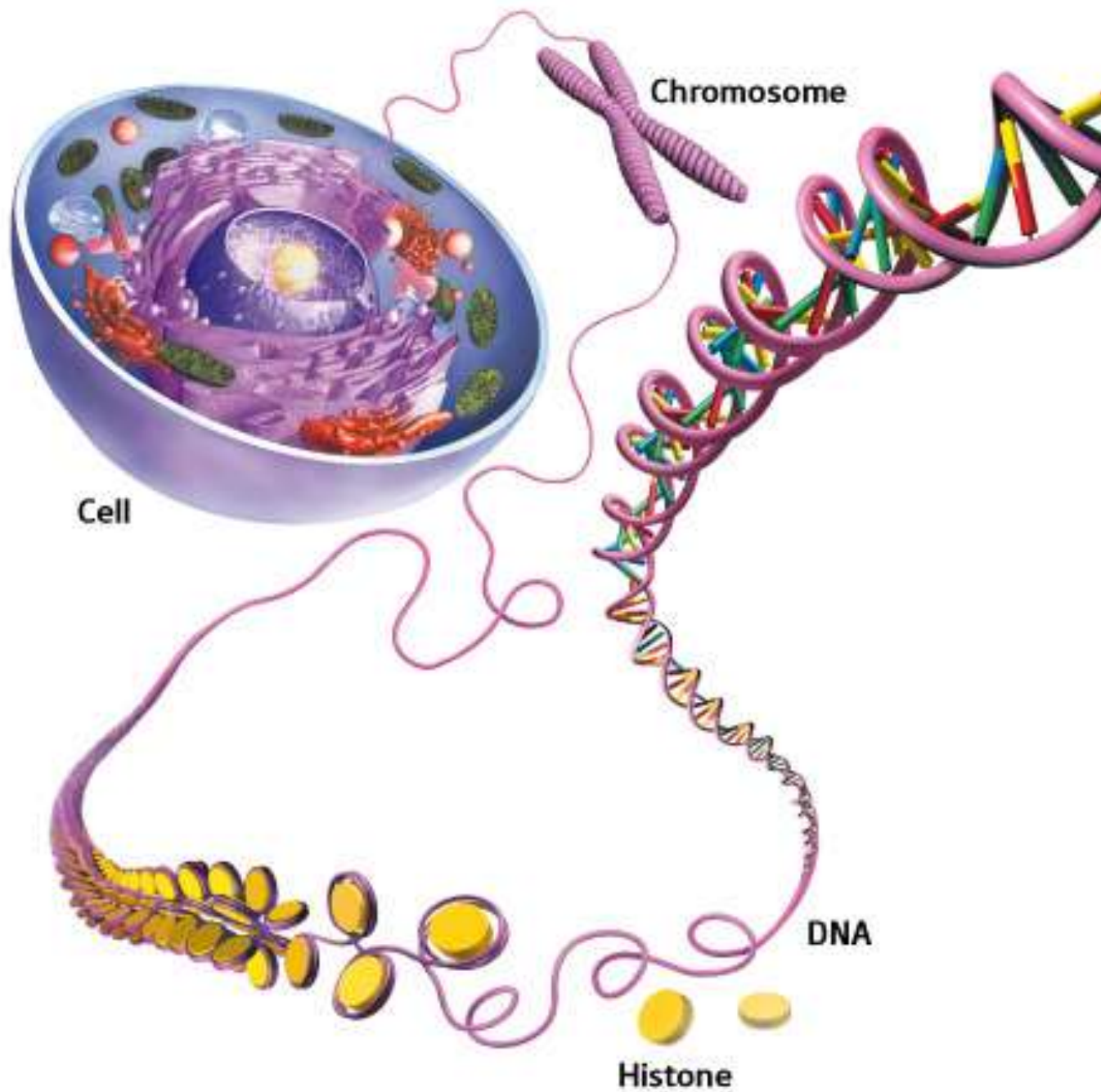
- Deoxyribonucleic Acid
- HOW MUCH DNA DO YOU HAVE IN 1 CELL? ~6 feet HOW???!!!!!



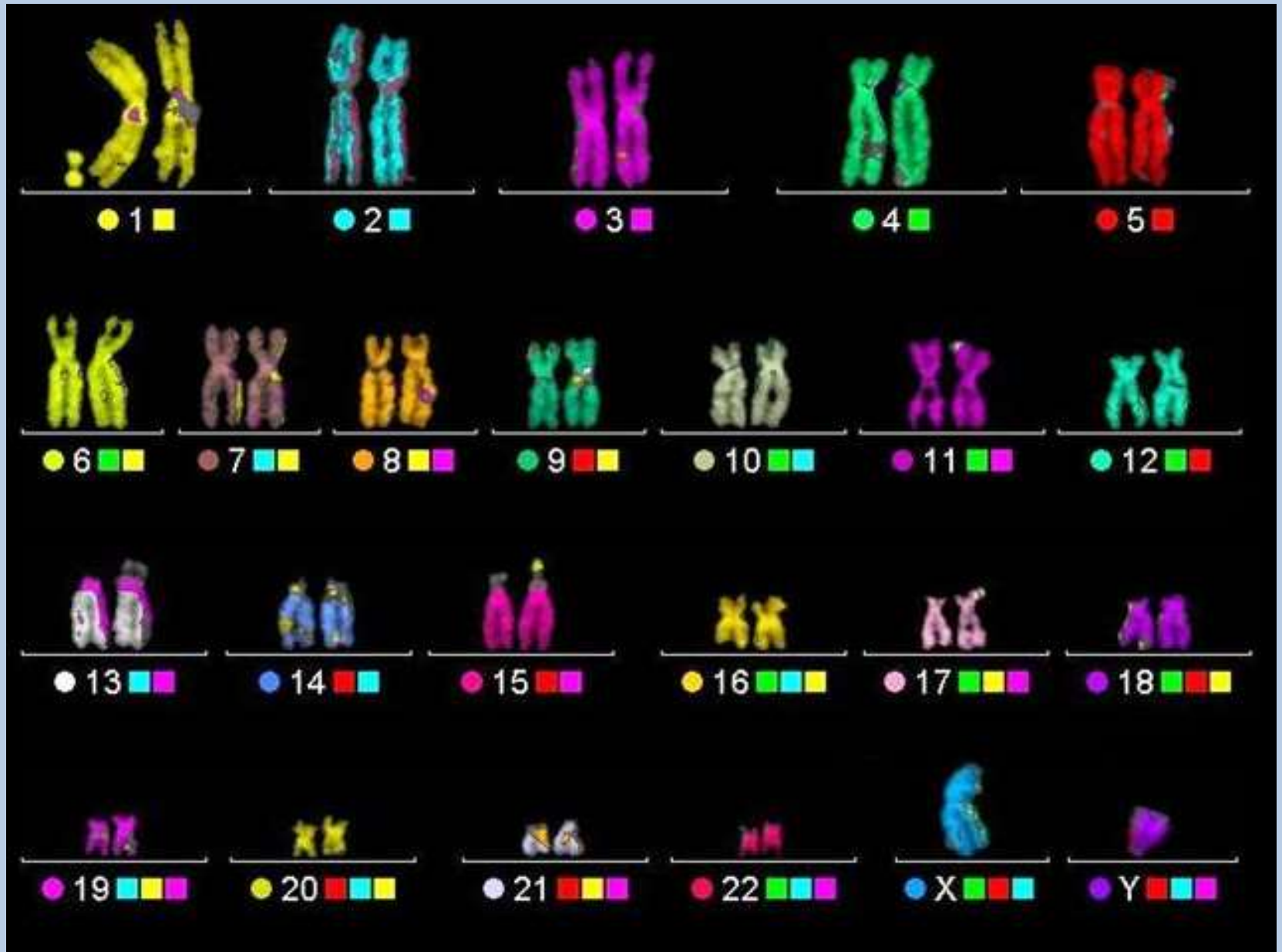


# DNA





# DNA - Humans

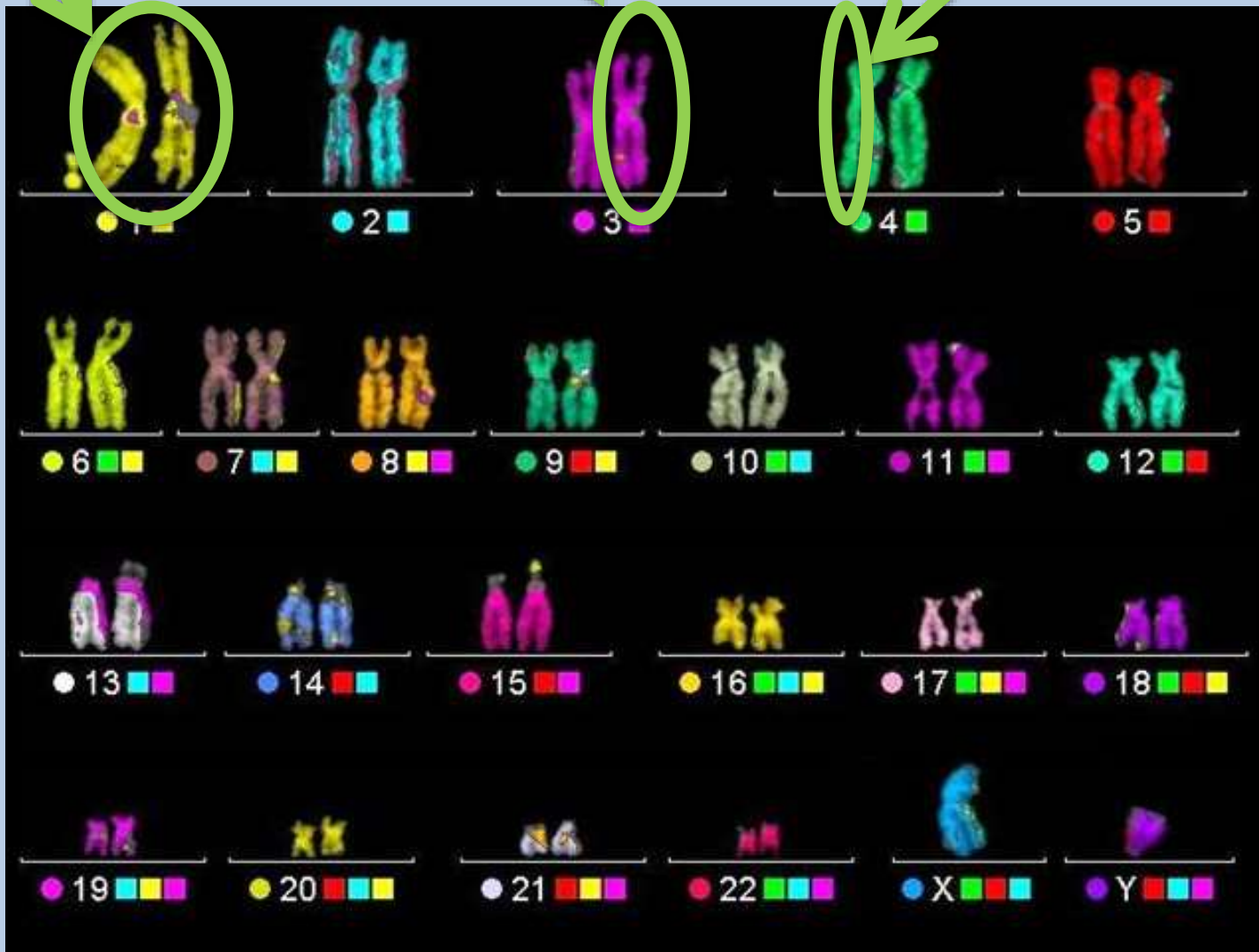


# DNA - Humans

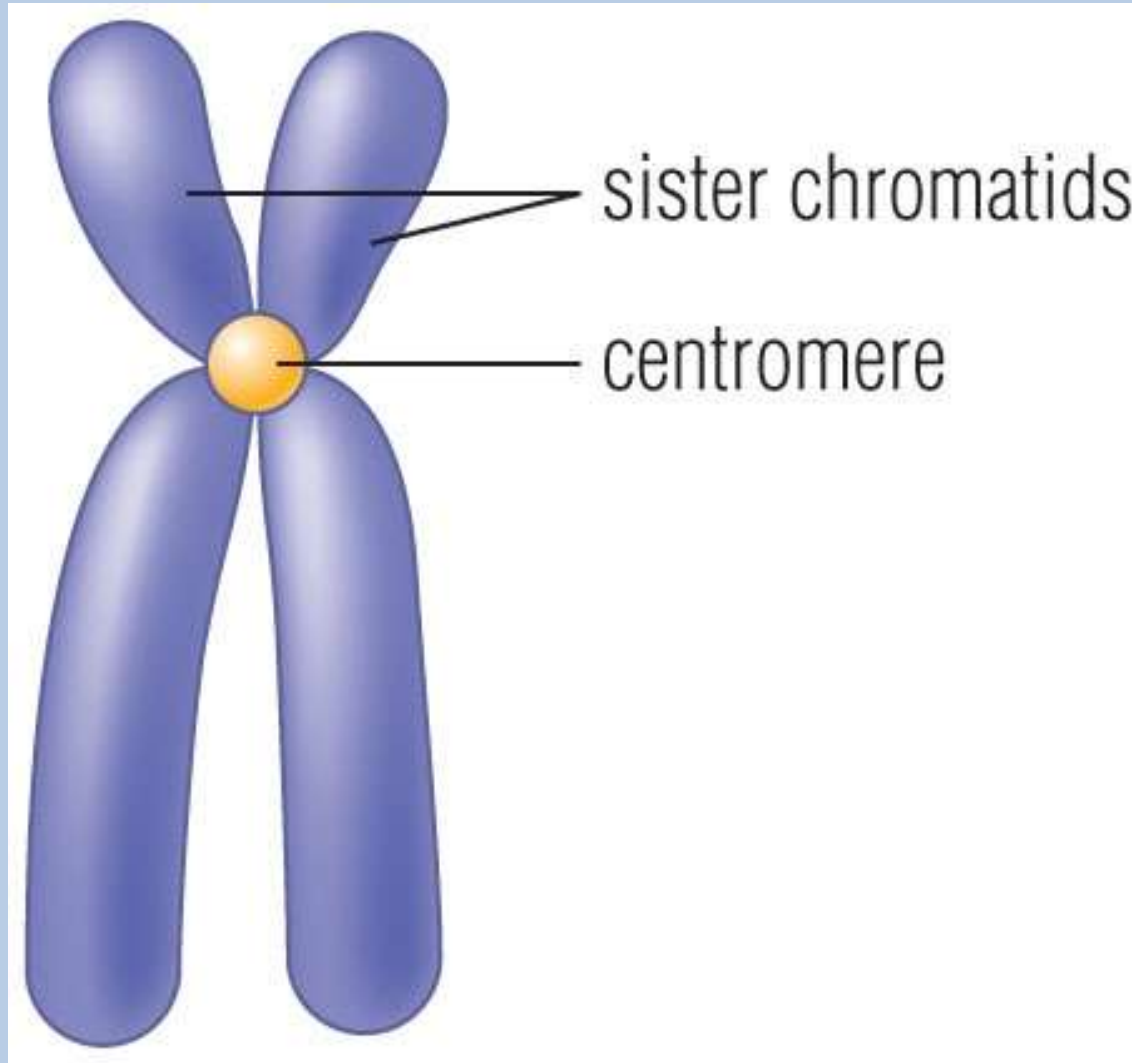
HOMOLOGOUS  
CHROMOSOMES

SISTER CHROMATIDS

1 CHROMOSOME



# DNA - Humans





# DNA – Diploid/Haploid

**Diploid (2n)**



***two sets of  
chromosomes***

**Haploid (n)**



***one set of  
chromosomes***

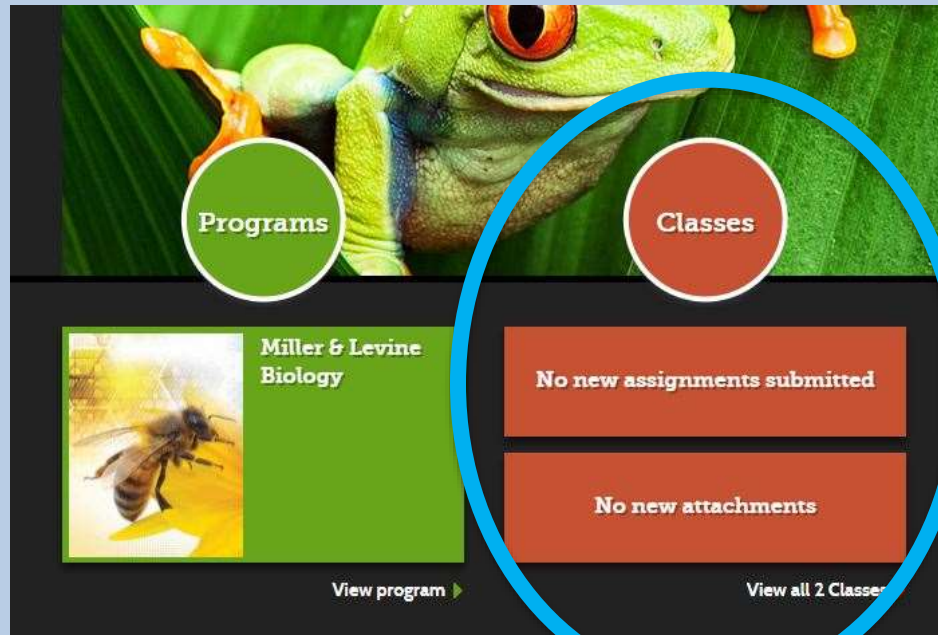


# Cell Division

- At your table group make a prediction:
- Place the cards in an order that makes sense to you on the placemat (BE RESPECTFUL OF THE MATERIALS PLEASE)
  - ✓ Take a picture
  - ✓ Get checked off

# Mitosis

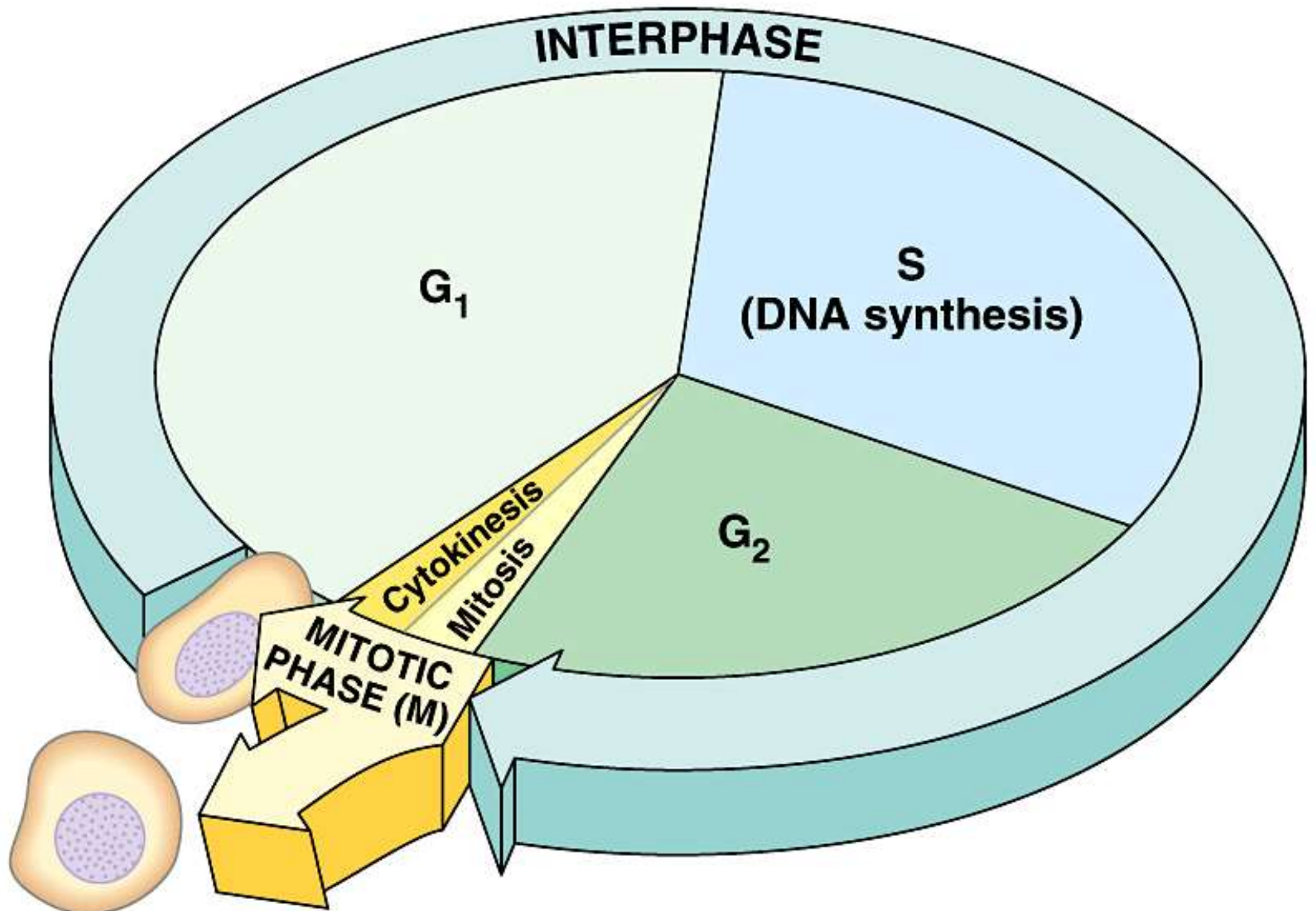
- **When your group is checked off;**
  - **Complete the interactivity for 11.2 Exploring Mitosis**
  - **Click on the orange heading**



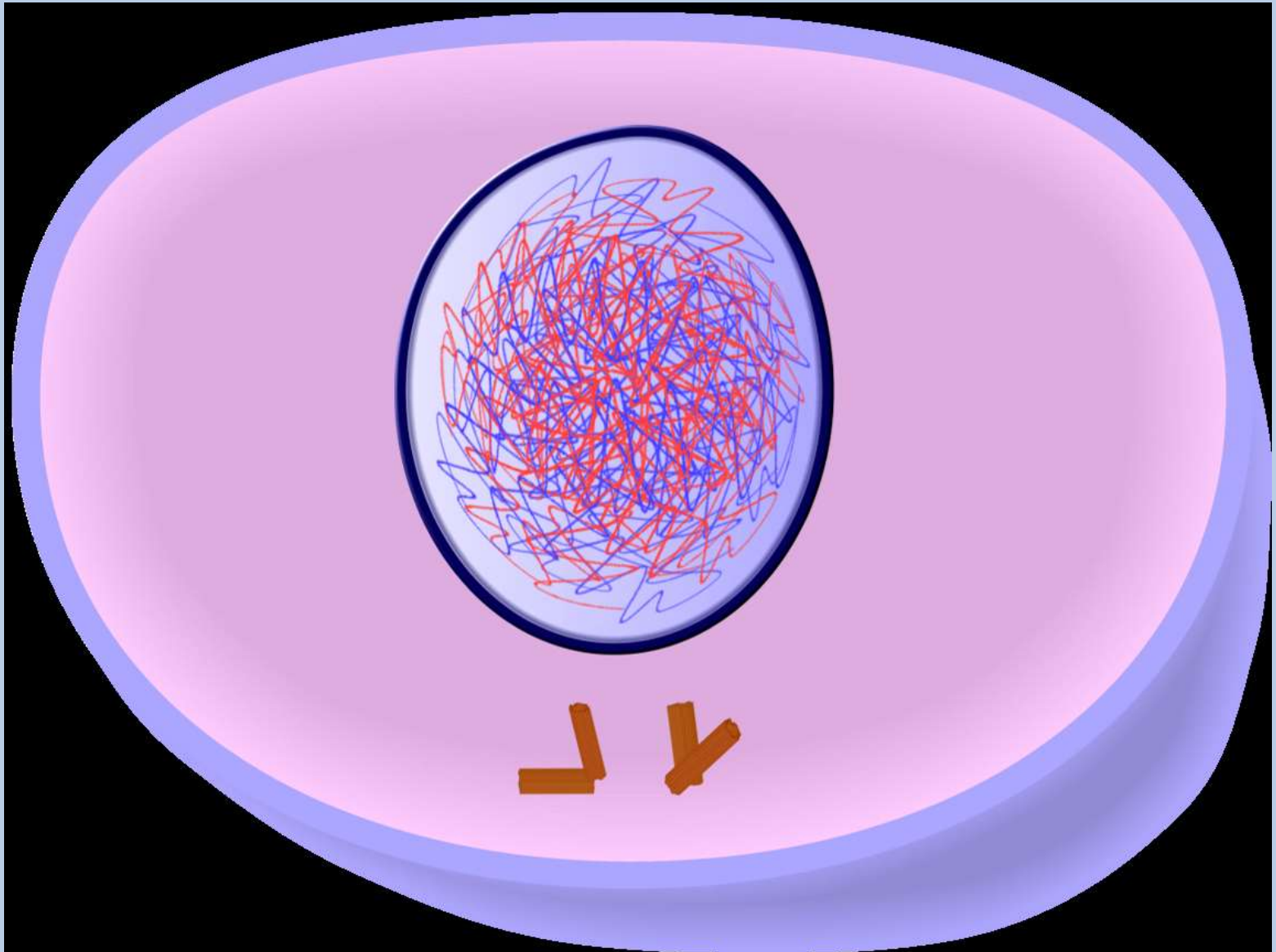
# Mitosis

- When you are done:
  - Label the phases on the **MITOSIS DIAGRAM**
  - ✓ Get your labels checked off
  - Cut the phases out and paste/tape them **IN ORDER on page 52**
  - Color the chromosomes

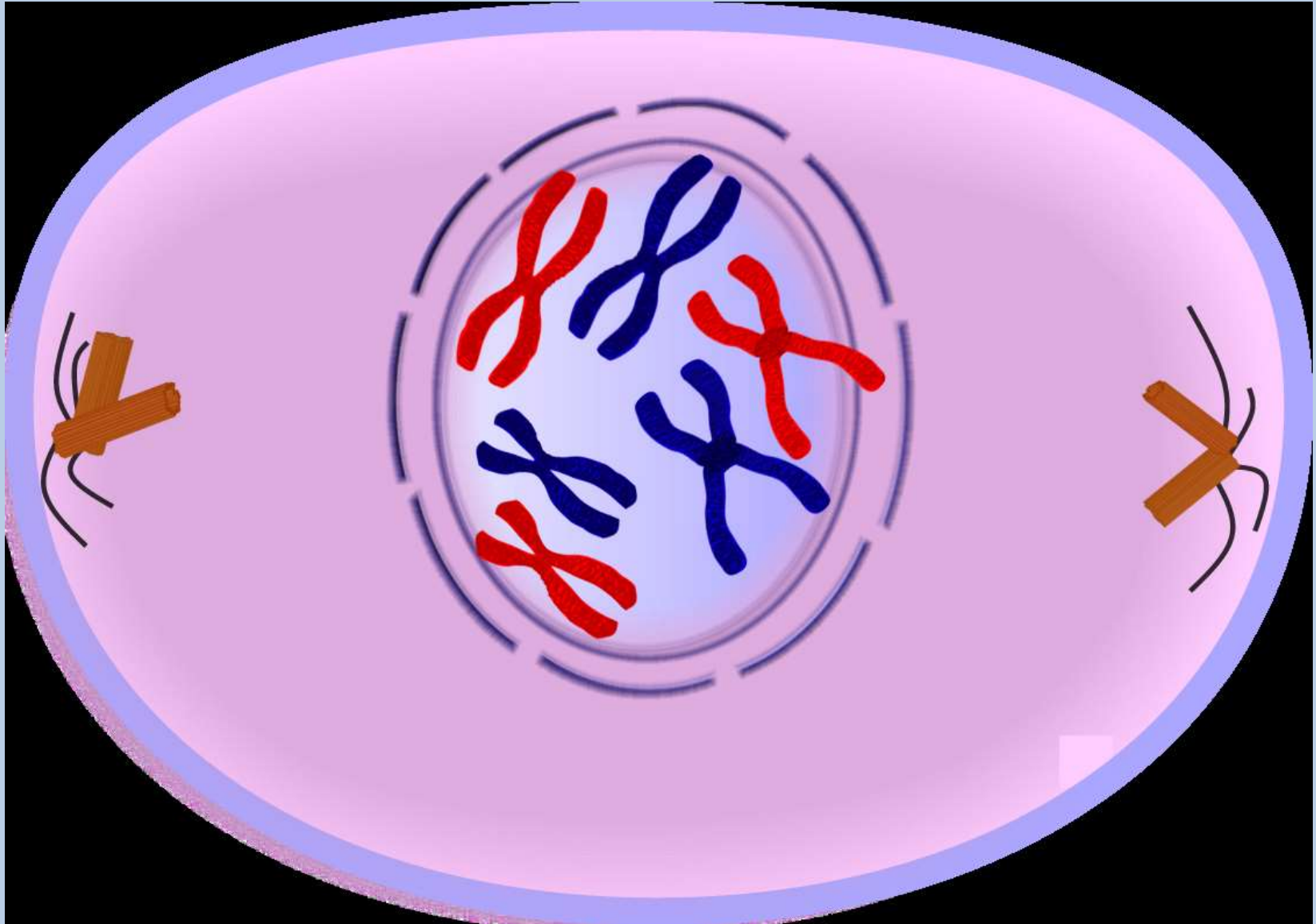
# Cell Cycle



# Interphase

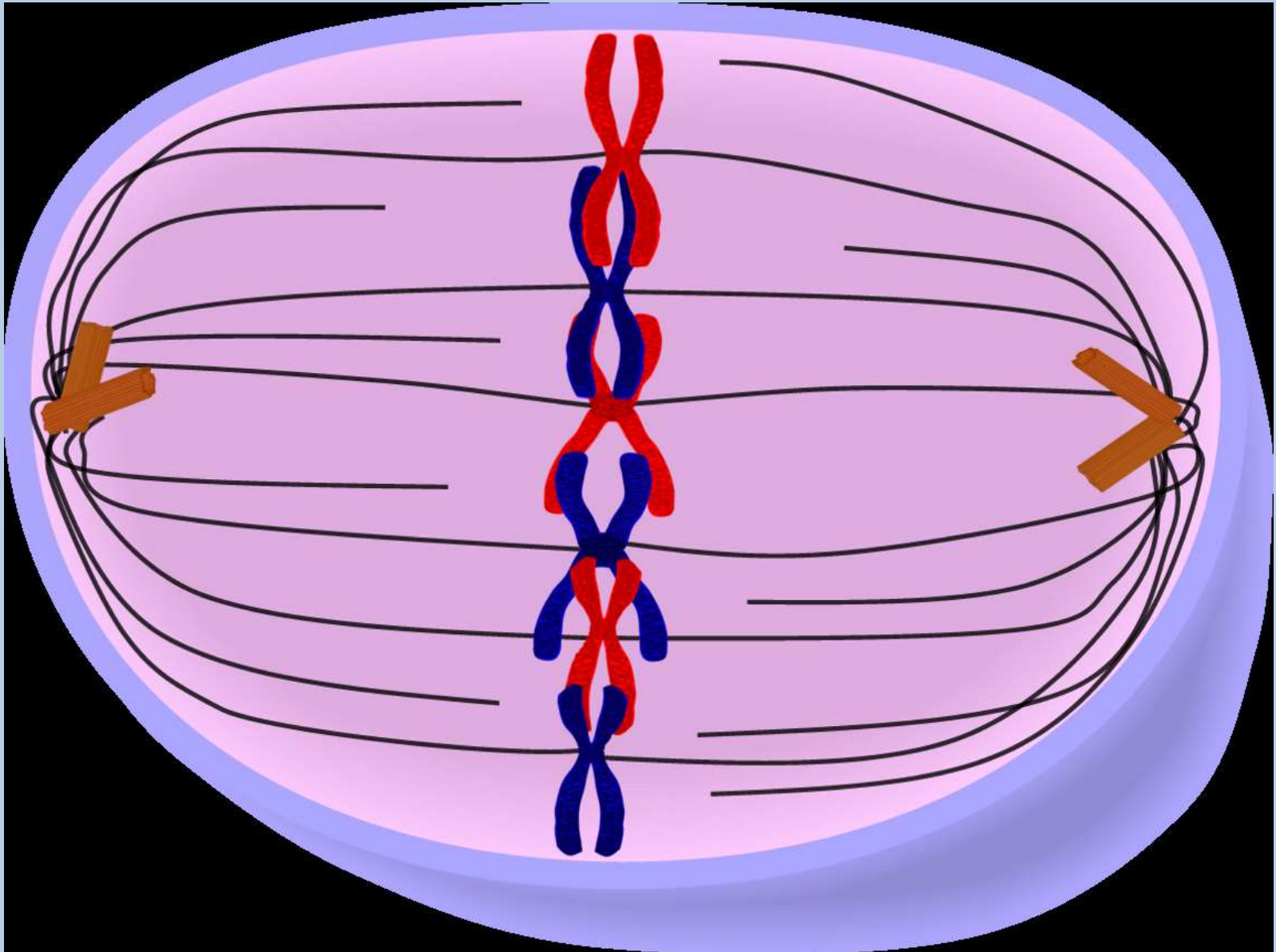


# Mitosis - PROPHASE

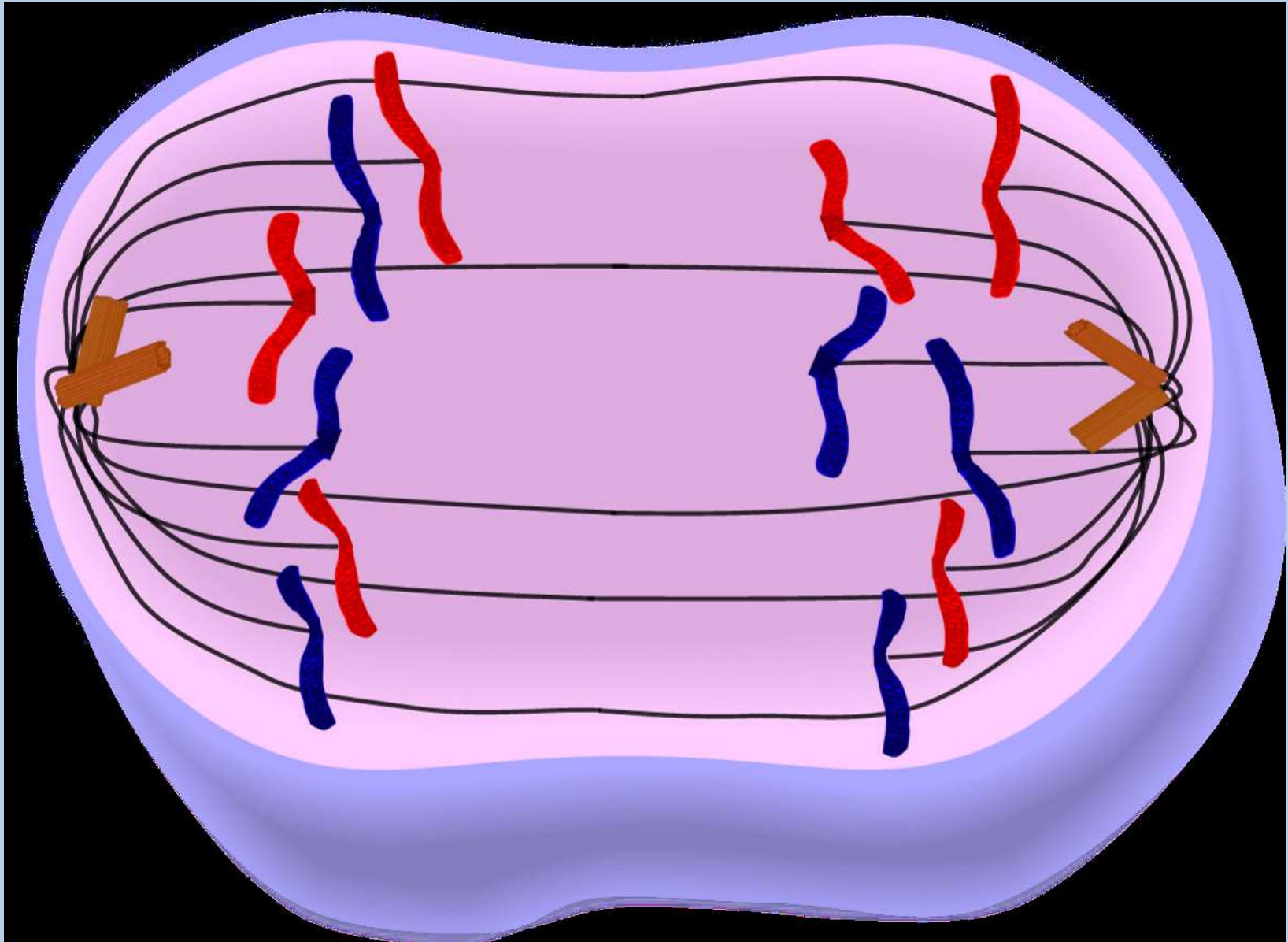




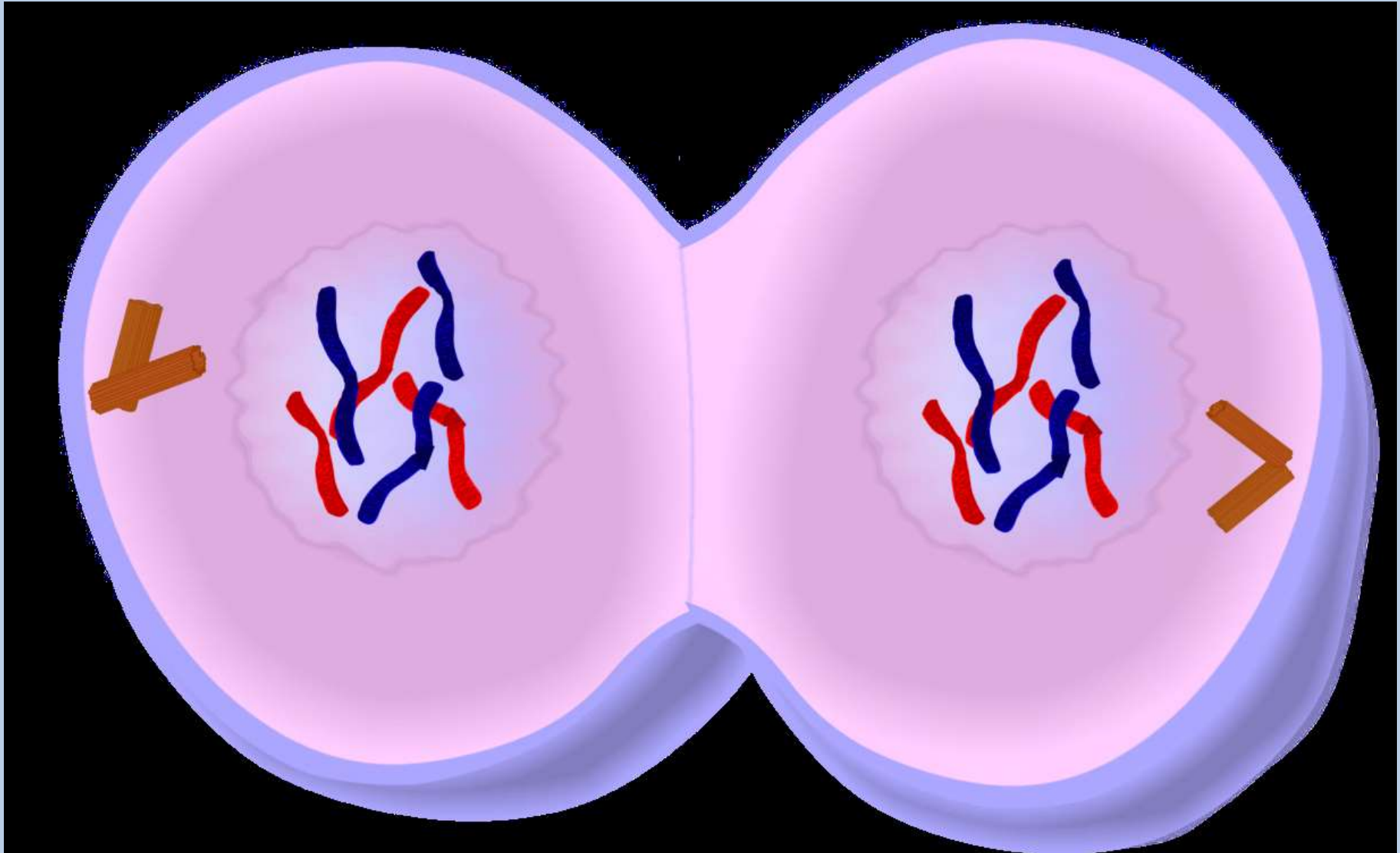
# Mitosis - METAPHASE



# Mitosis - ANAPHASE

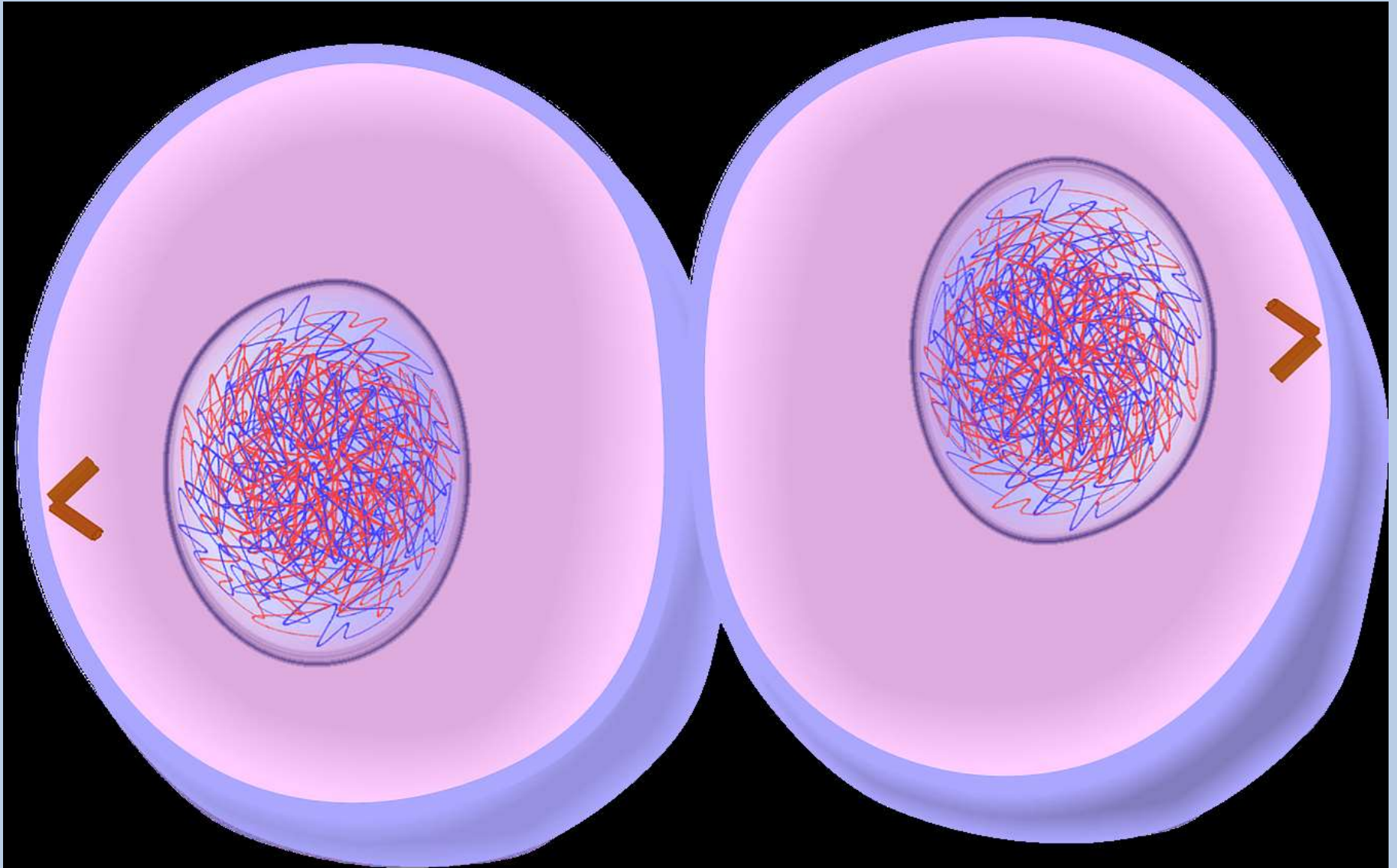


# Mitosis - TELOPHASE

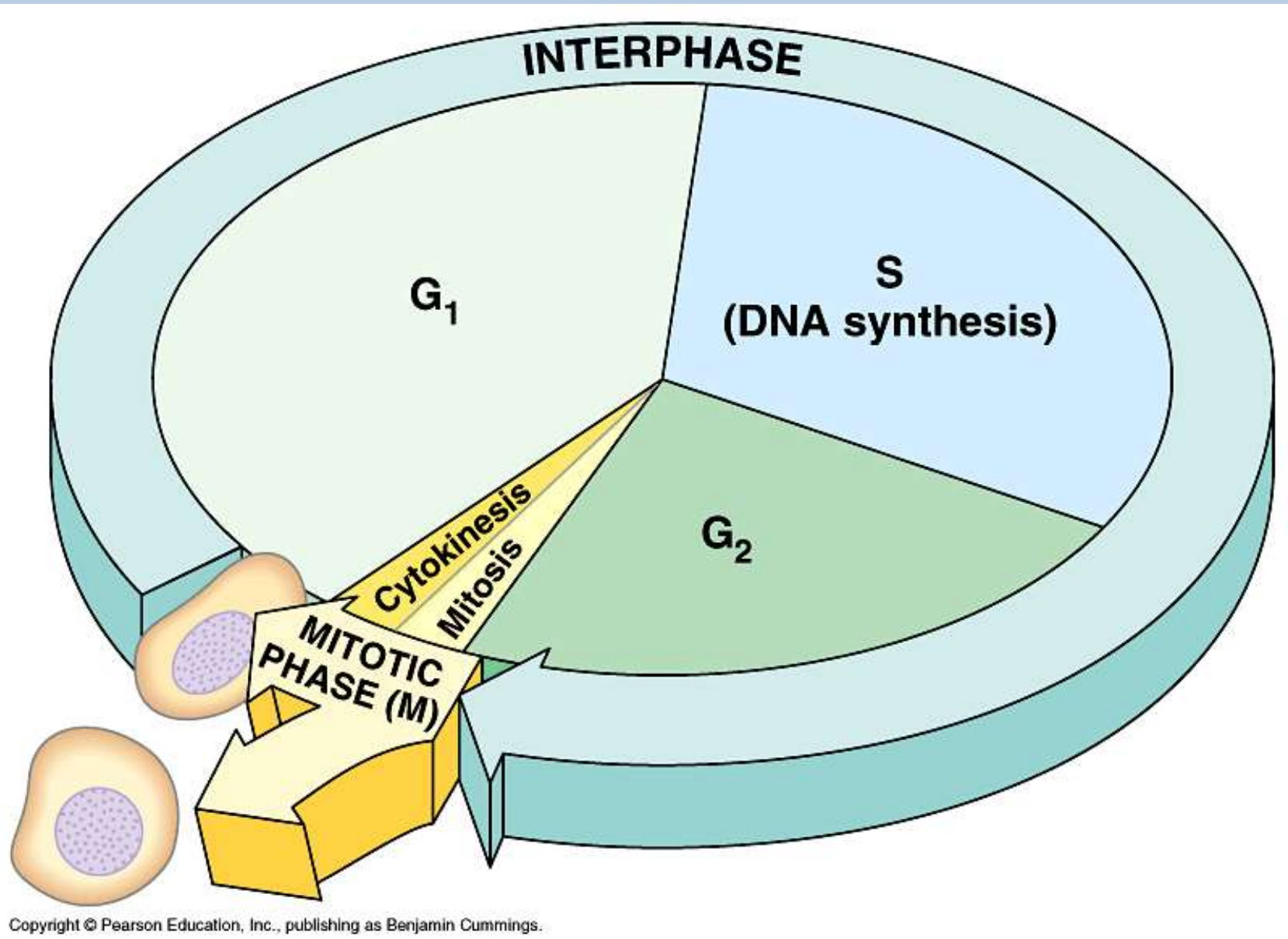




# Cytokinesis



# Cell Cycle



# Brain Warm-up

- **Mitosis hand motion**



# Exit Slip

- Be prepared to “NAME THAT PHASE!” on your way out...