

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

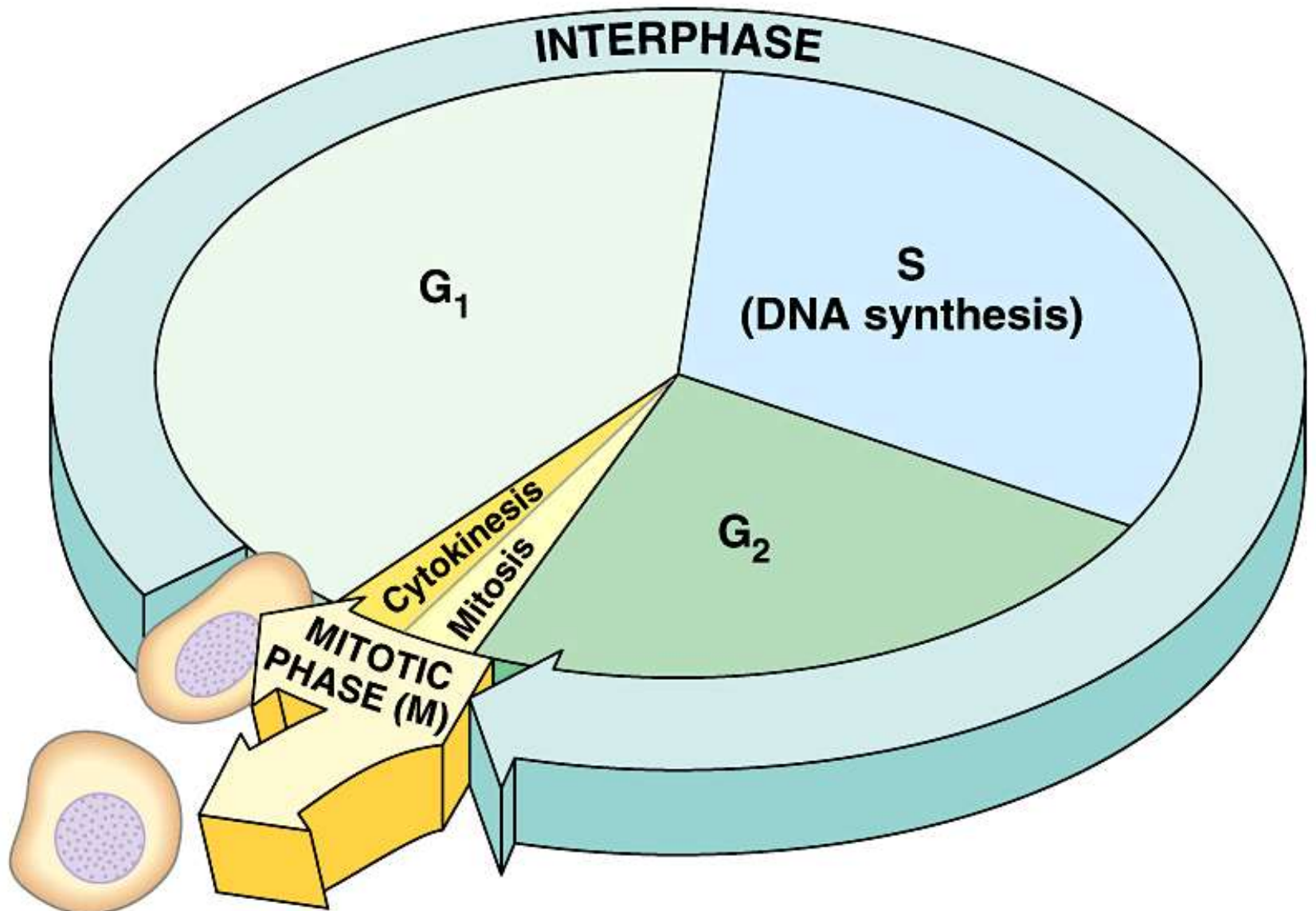
- 1. Why are cells small?**
- 2. What stages of the cell cycle are NOT a part of mitosis? What happens during each?**

**A Jack Jumper Ant has 2 chromosomes in each cell:**

- 3. Draw a cell in PROPHASE.**
- 4. Draw a cell in ANAPHASE.**

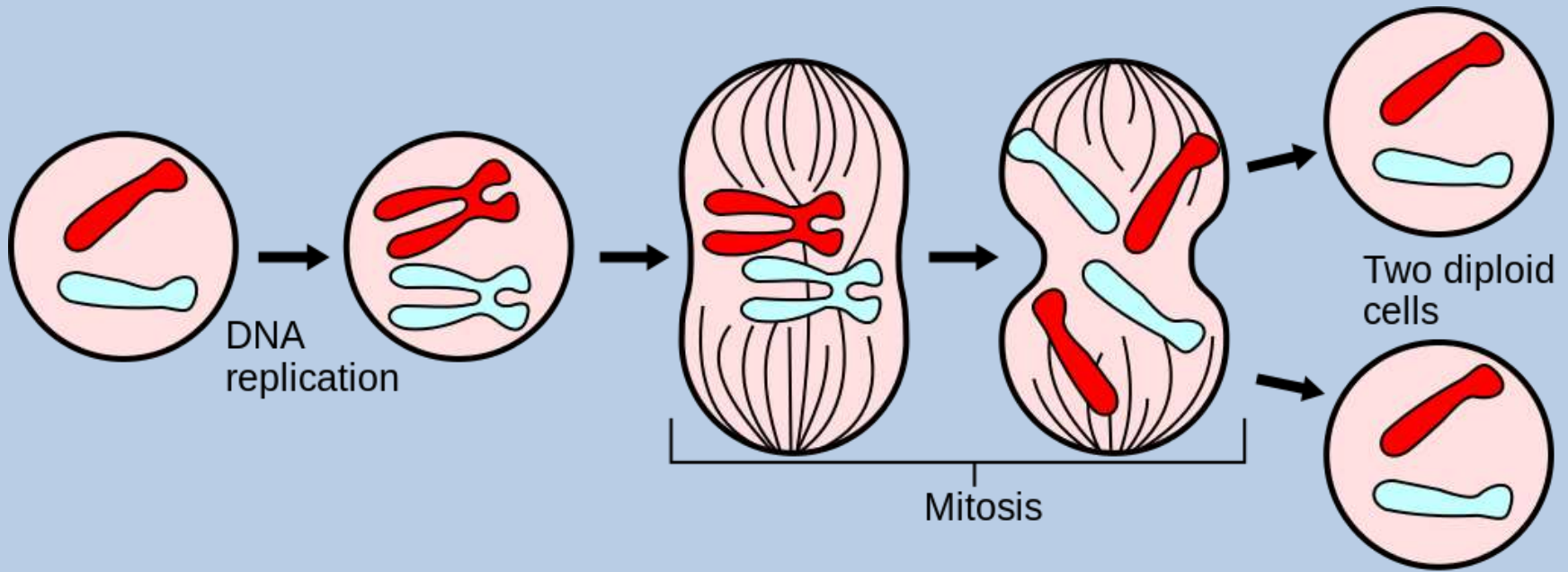


# Cell Cycle



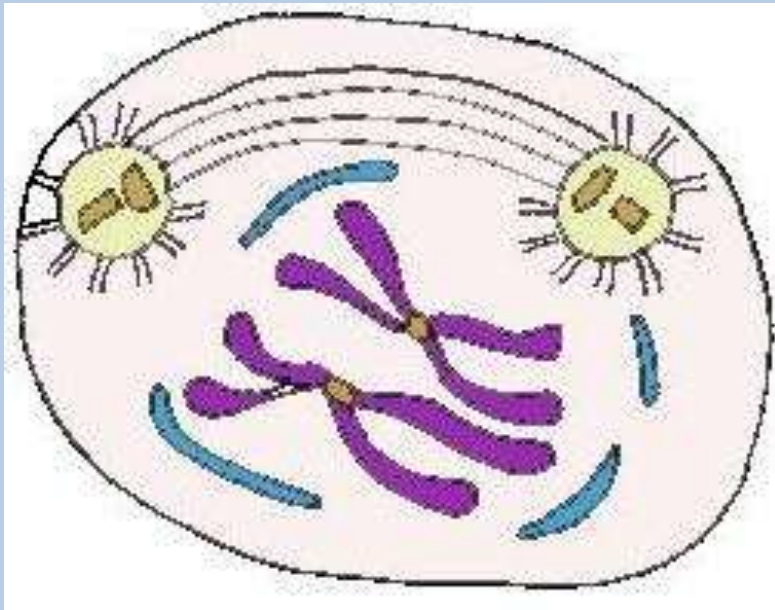
# Jumper Jack Mitosis

- For example, a jumper jack ant has 2 chromosomes. Mitosis in a jumper jack should look something like:

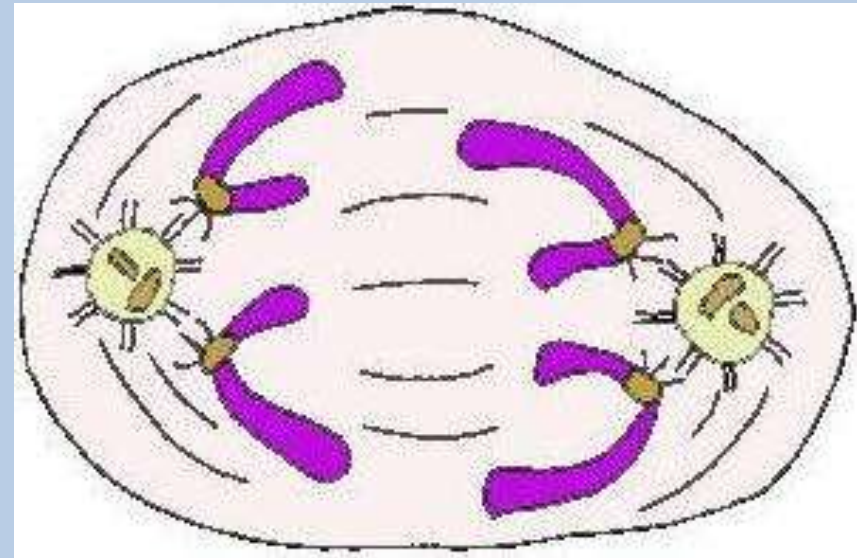


# Jack Jumper Mitosis

Prophase



Anaphase



2 replicated chromosomes = 2 X's

# Logistics

- **Unit 5 Assessment**
  - **Friday, February 7<sup>th</sup>**
  - **So far we have covered objectives 1-7, and over half of the vocab**

**MITOSIS**

**...IS COMING**

memegenerator.net

# Cell Division

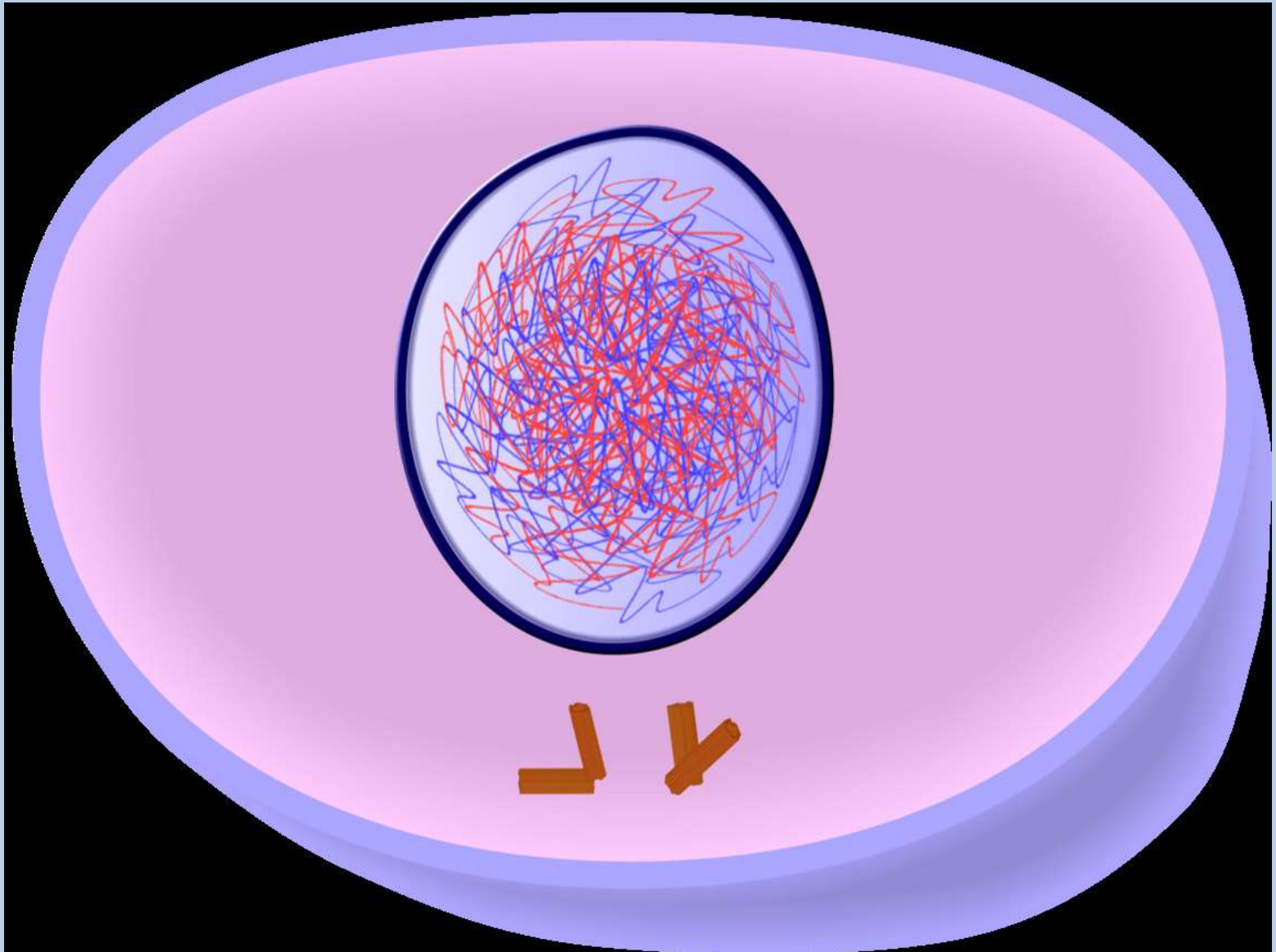
- **Get out your 11.2 Interactivity  
Exploring Mitosis**

# Cell Division

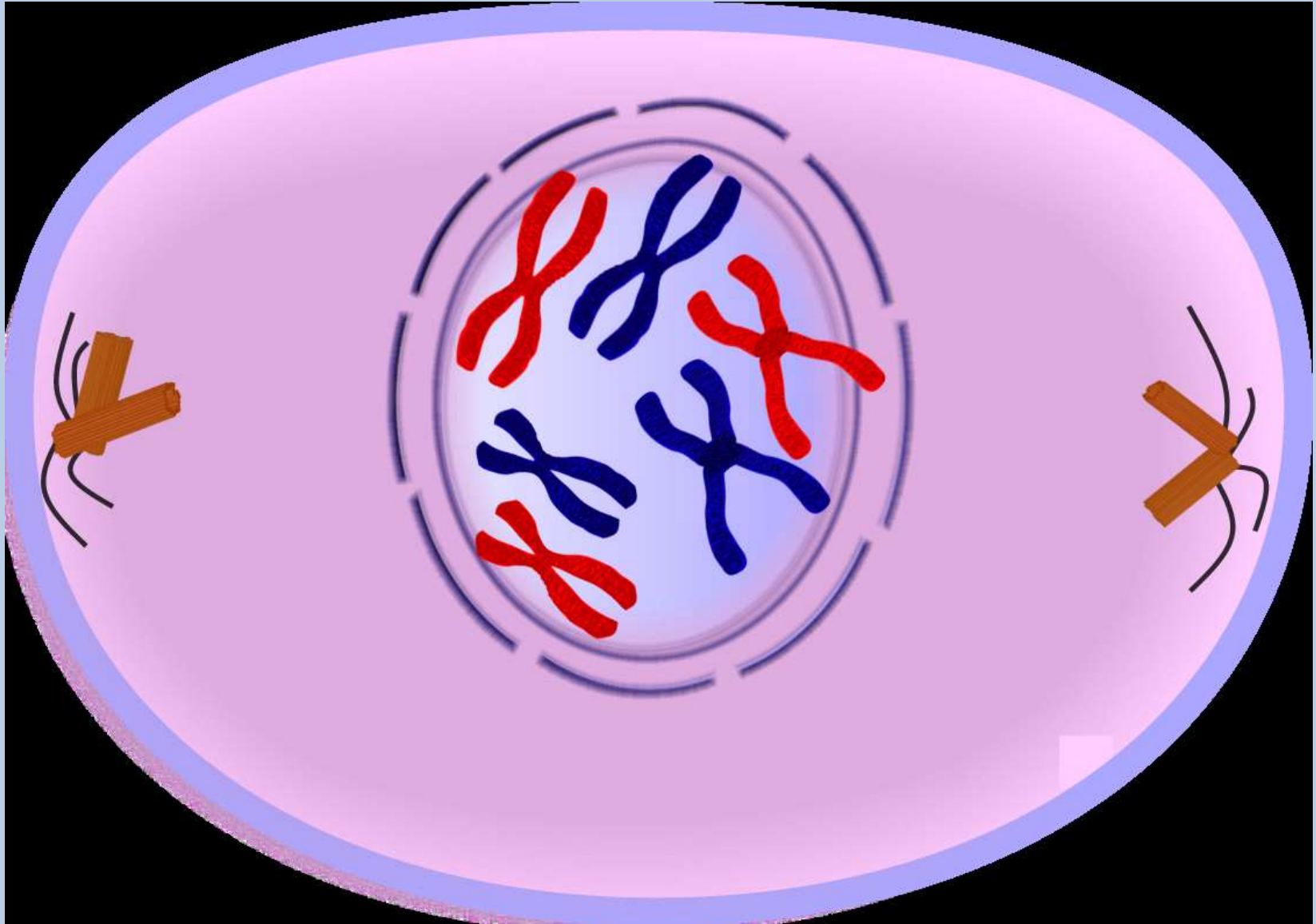
- **2 minutes: cut out the phase pictures and tape them in order on to page 52 if you didn't already**



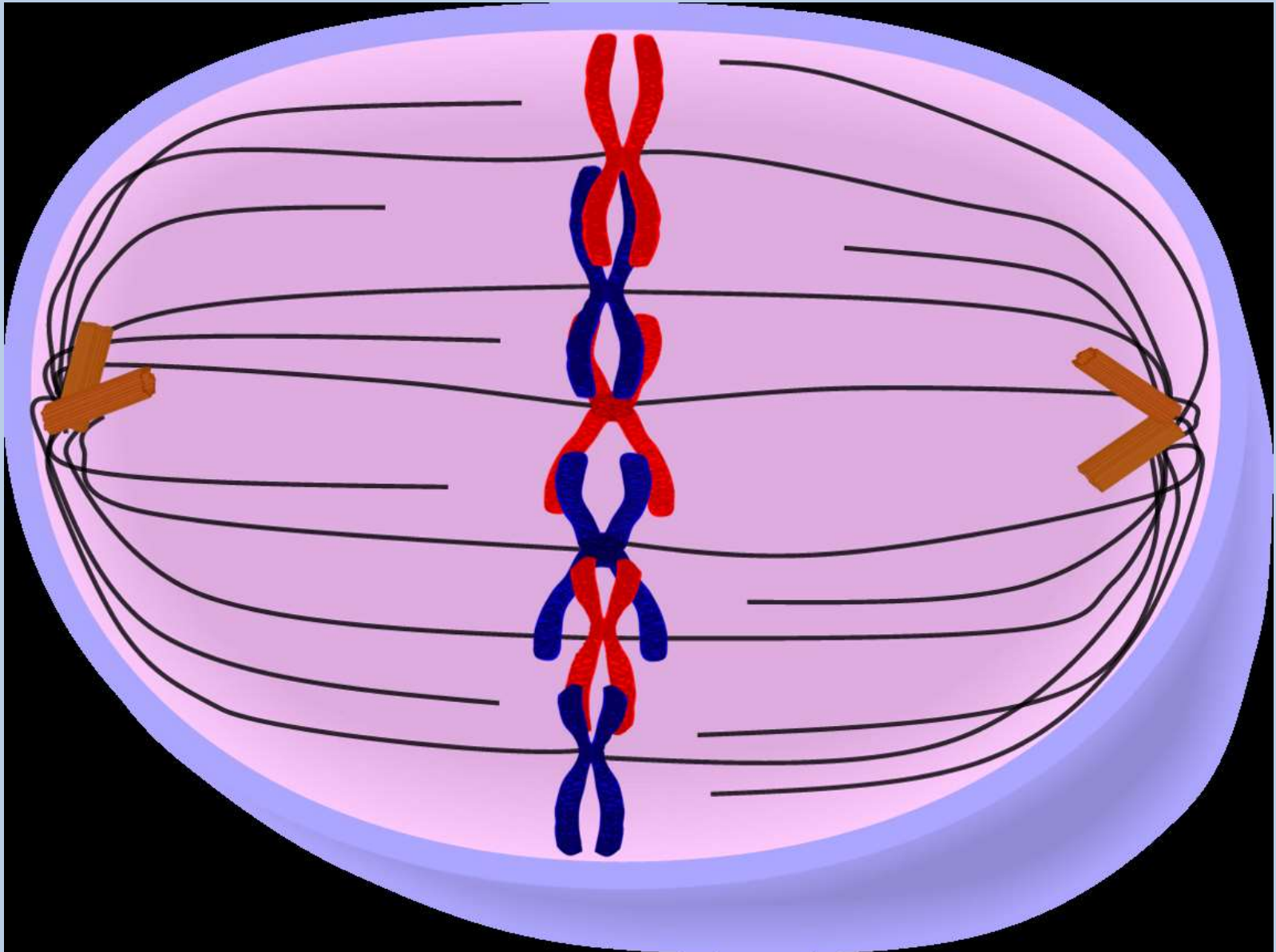
# Interphase



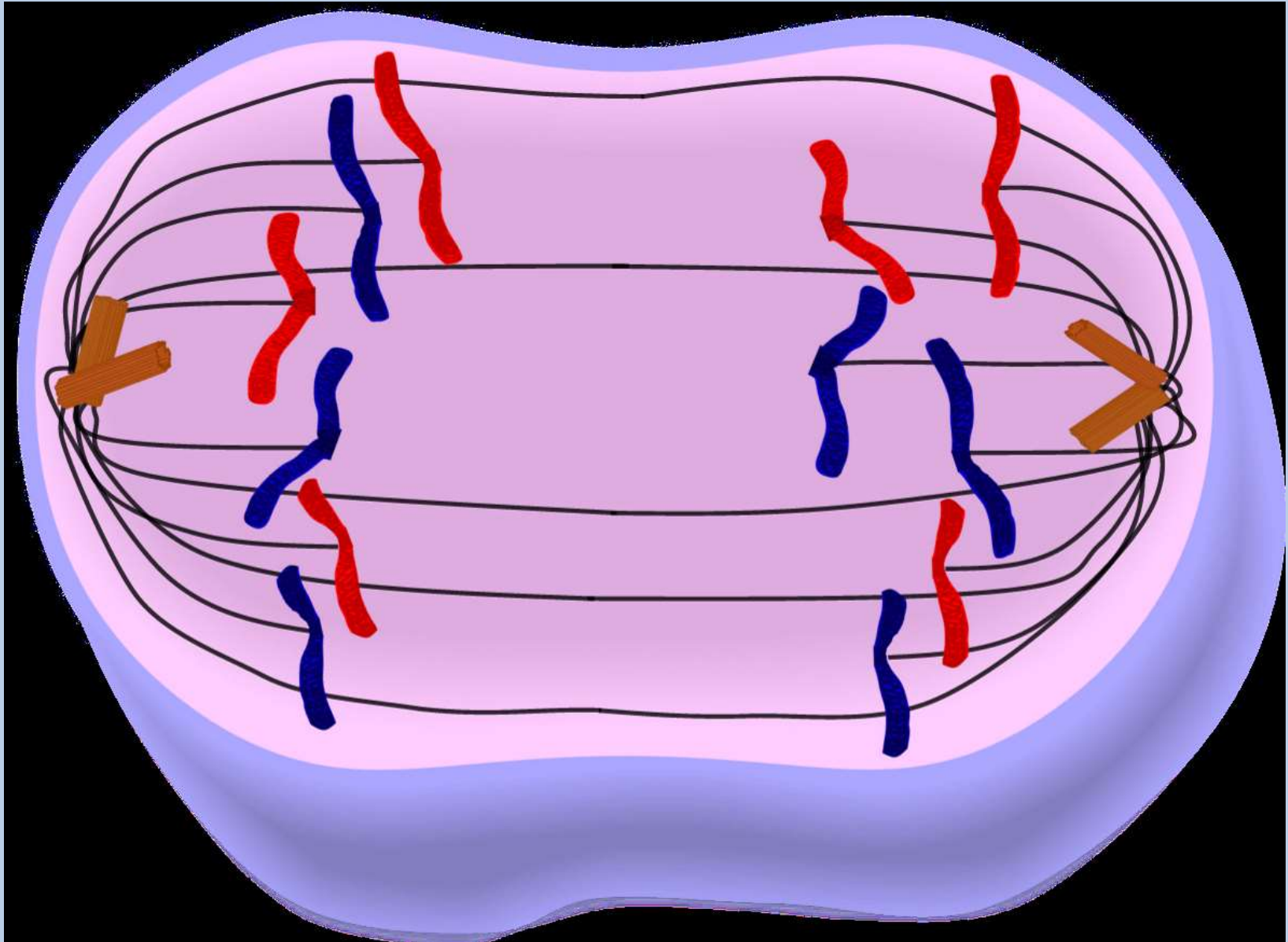
# Mitosis - PROPHASE



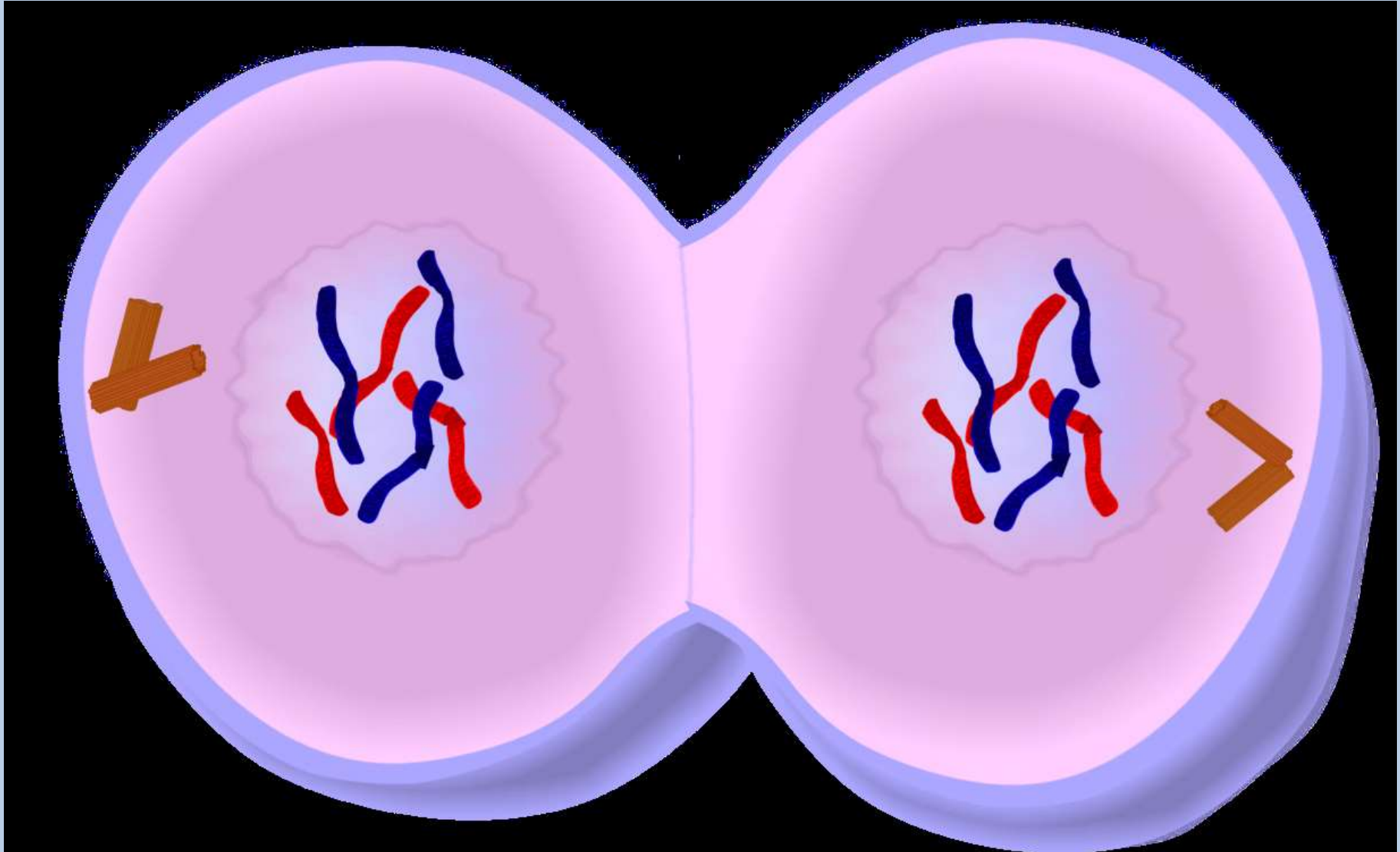
# Mitosis - METAPHASE



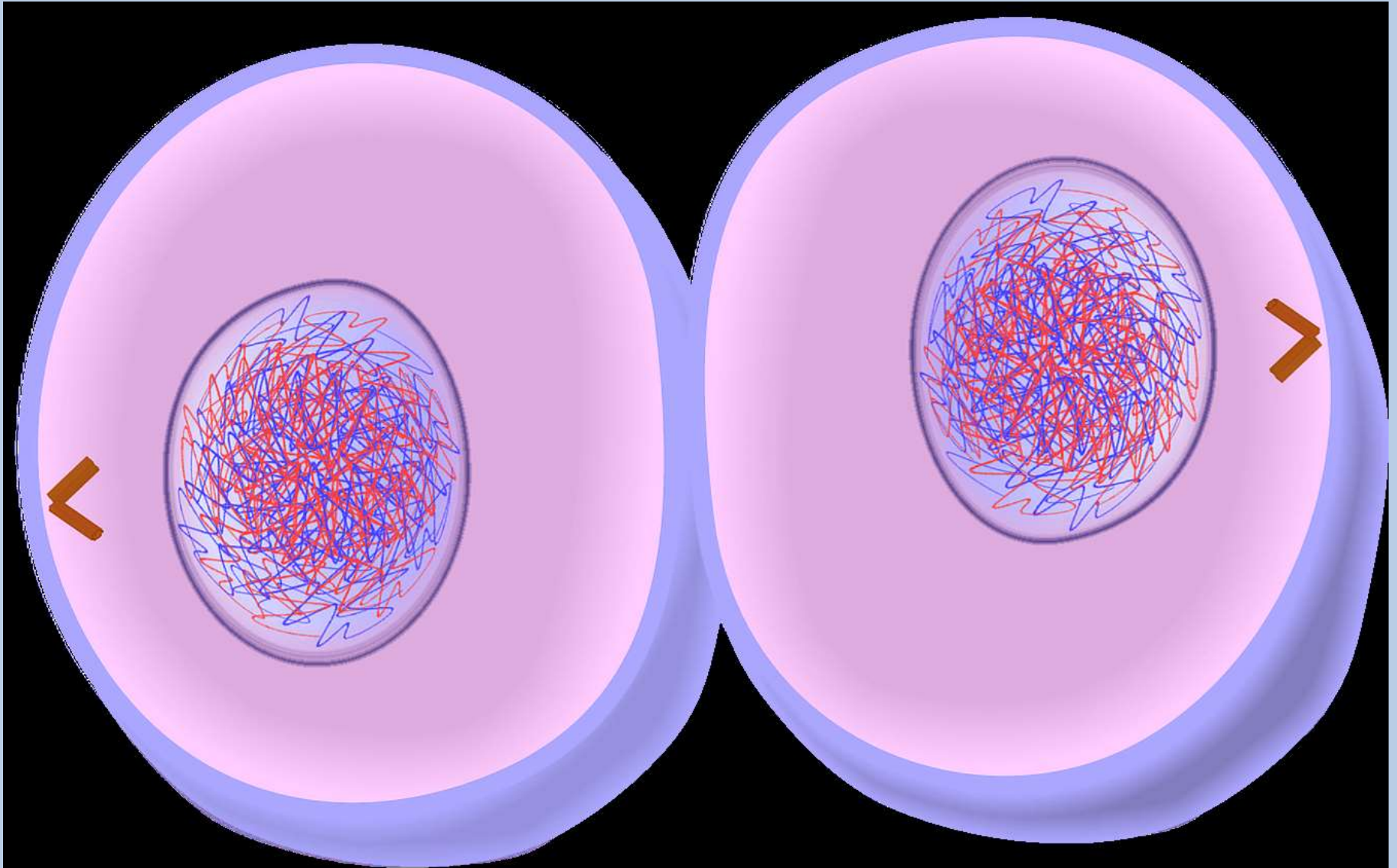
# Mitosis - ANAPHASE



# Mitosis - TELOPHASE



# Cytokinesis



# Brain Warm-up

- **Mitosis hand motion**

# Mitosis Mini-Poster

- **Go to your lab groups**
- **Follow the instructions to make a mini-poster of mitosis in a real organism**
- **A species will be assigned to you**
- **THIS WILL BE GRADED (and is your first and only grade of the semester until your test)**



# Mitosis Posters

- If the organism you were given has a different number of chromosomes for males and females, **use the even number**

# Mitosis Posters

- **NONE** of the organisms assigned have more than 12 chromosomes, if yours did, then you need to do more research.

# Mitosis Posters

- Format your poster according to the example
- TAKE YOUR TIME
- Make sure your poster is neat and pretty (THIS WILL BE GRADED)
- ✓ Turn poster in
- Tape Interactivity 11.2 on to page 51
- ✓ Start Stem Cell worksheet

# Mitosis Posters

- Mitosis Recap:

<https://www.youtube.com/watch?v=t1JdFVsyWkI>

<https://www.youtube.com/watch?v=3CfvmWMzF2A>

<https://www.youtube.com/watch?v=gcz1FOWw0Cg>