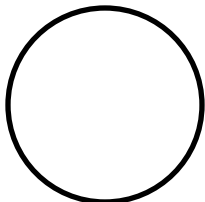
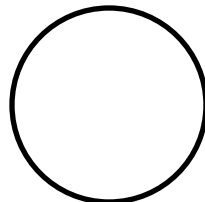


Mitosis iPhone App Virtual Lab: "Mitosis" by Inkling Systems, Inc.



Interphase:

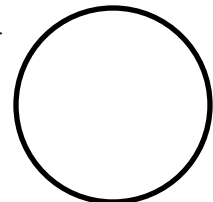
1. _____ duplication
2. _____ duplication
3. Centrosomes move away from each other _____.



Prophase:

1. _____ divides
2. Chromatin condenses and forms the _____ structures (chromosomes)

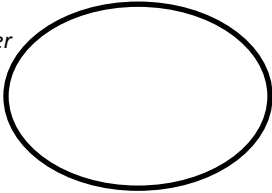
** Draw after you touch the screen*



Metaphase:

1. The chromosomes are aligned along the _____ of the cell, a region called the _____.

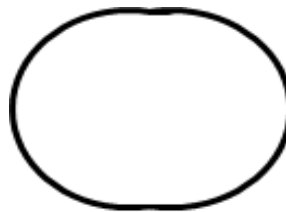
** Draw after you touch the screen*



Anaphase:

1. The chromosomes _____ abruptly in two as they move _____ from the metaphase plate.
2. What shape are the chromosomes now? _____

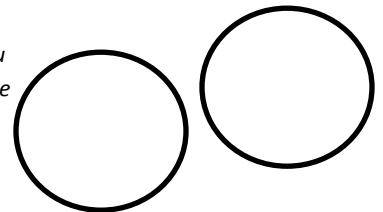
** Draw after you touch the screen*



Telophase:

1. New _____ form around each set of chromosomes.
2. Chromosomes _____.

** Draw after you touch the screen*



Cytokinesis:

1. Finally separates the cell into _____ cells.

Test Yourself

1. When does the cell's DNA duplicate? _____
2. Label the kinetochore on the pair of sister chromatids on the image to the right.
3. Mitosis produces two nearly identical daughter nuclei. _____
4. Where is a eukaryotic cell's DNA contained? _____
5. List the stages of mitosis in order: 1. _____ 2. Prometaphase
3. _____ 4. _____ 5. _____
6. The chromosomes on the image are lined up on the _____.
7. Label the nucleus on the image to the right.
8. Label the centrosome on the image to the right.
9. Anaphase can proceed without all of the chromosomes being attached to both spindles. _____
10. What is circled on the Mitosis application image? _____

