

Name

Date

Ch. 10 Sections 1 & 2

Review Sheet

10-1 pg. 274-279

1. What are the 2 main reasons for why a cell must divide?
2. Which increases faster, volume or surface area?
3. Why is this a problem for the cell?
4. What happens to the ratio of surface area to volume as a cell increases in size?
5. What must a cell do before it divides? Why is this step important to the cell?
6. In regards to genetics, what is the difference between asexual and sexual reproduction?
7. Provide an example of an organism that undergoes each type of reproduction.

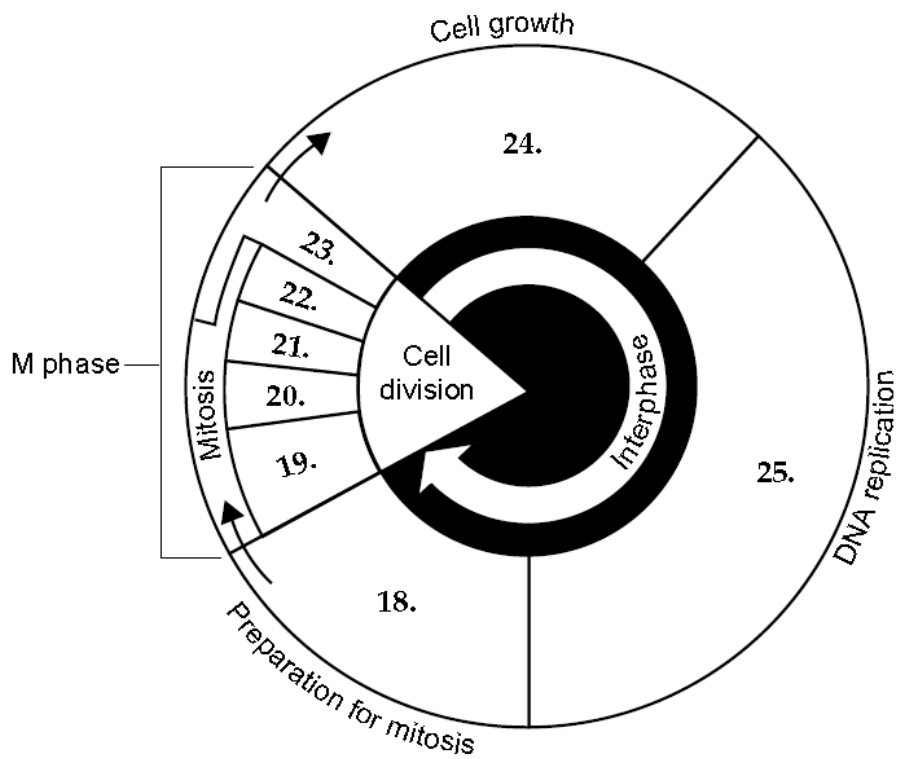
10-2 pg. 279-285

8. Draw a duplicated/replicated chromosome and label the centromere and the sister chromatids.

9. What are chromosomes made up of?

8. What happens during the cell cycle?

10. Label the parts of the cell cycle and describe what occurs at each stage.



II. Fill in the table below with the phases of mitosis and what happens at each phase.
Phases MUST be in the CORRECT ORDER!

Phase	What happens

II. What is the difference between cytokinesis in plants and animals?