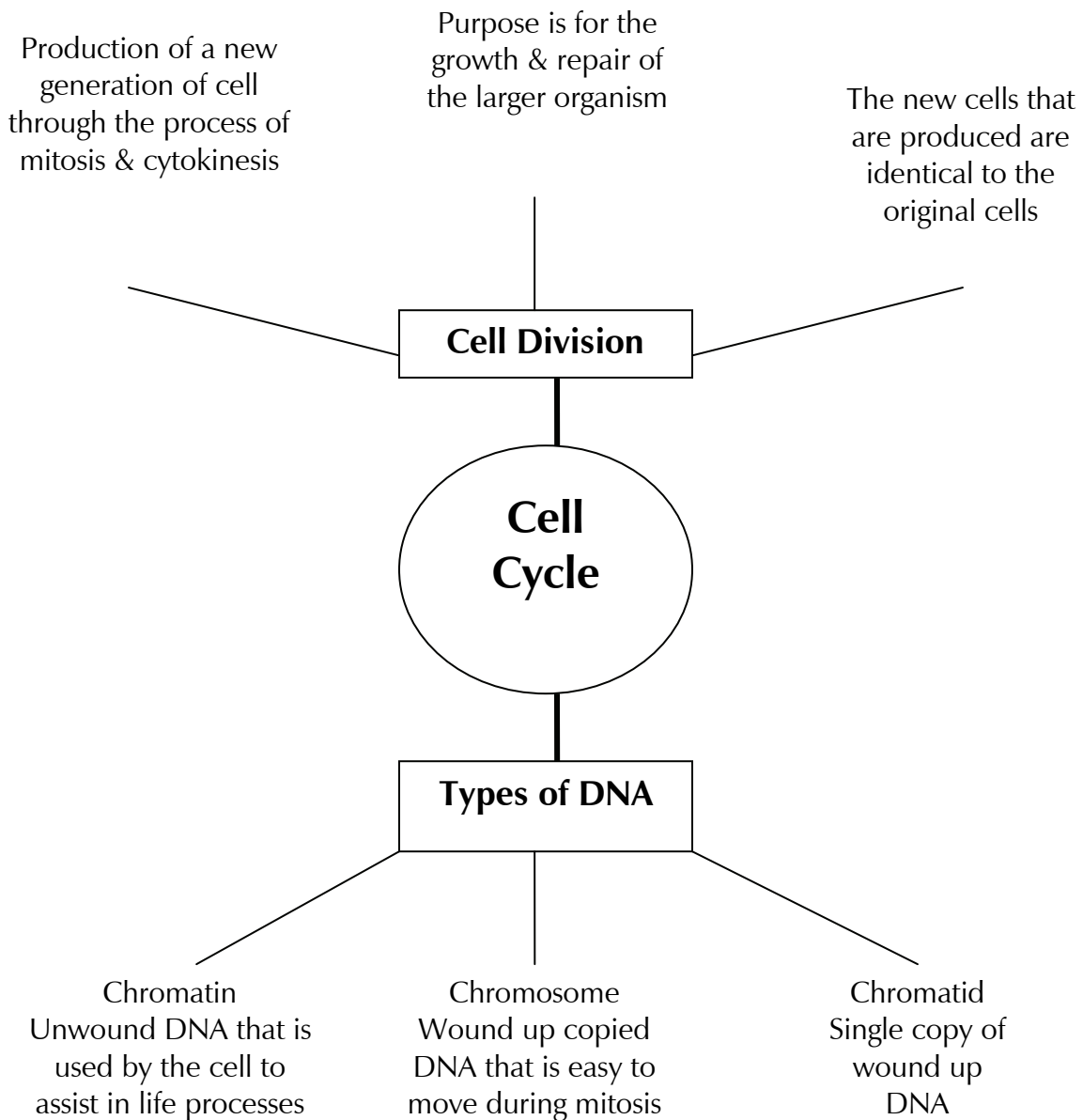


5.2 Concept Map Cell Cycle



5.3a Cornell Notes Mitosis

Question	Main Idea	Details
What role does cell division have in the cell cycle?	Cell division provides the cells needed for the growth and repair of an organism.	<ul style="list-style-type: none">• Makes cells so that an organism can grow and mature• Makes cells to replace cells that are damaged or worn out• Takes up 10% of the cell cycle
What role does interphase have in the cell cycle?	It is the time in the cell cycle where the cell grows and prepares for cell division.	<ul style="list-style-type: none">• Time that the cells grow, mature and prepare for mitosis• Last thing that happens during this time is the DNA is replicated

5.3b Cornell Notes Mitosis

Question	Main Idea	Details
What is mitosis?	It is the time in cell division in which the replicated DNA is divided into two new cells.	<ul style="list-style-type: none">• Four stages are prophase, metaphase, anaphase and telophase• Prophase: cell prepares for dividing DNA• Metaphase: Chromosomes line up in the middle of the cell• Anaphase: Chromatids are separated and move to opposite ends of the cell• Telophase: DNA is divided and the nucleus begins to reform