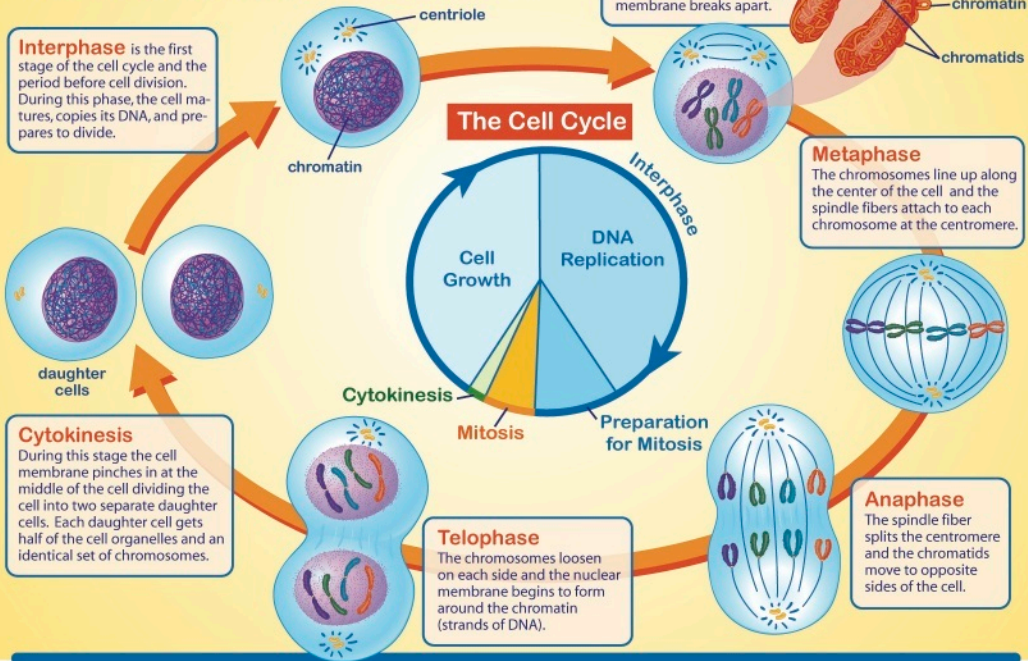




Mitosis & Meiosis

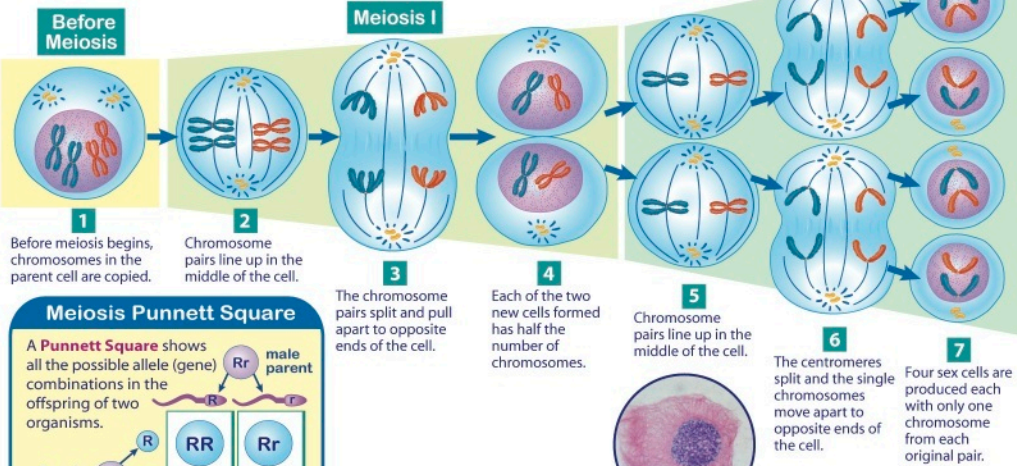
The Cell Cycle

Cells reproduce by a process called **cell division**. The **cell cycle** is the sequence of stages of growth and division that a cell undergoes. The three stages of the cell cycle include **interphase**, **mitosis**, and **cytokinesis**.



Meiosis

During **meiosis**, a parent cell divides into four sex cells each with half the number of chromosomes. Sex cells of males are called **sperm cells** and **egg cells** of females.



Meiosis Punnett Square

A **Punnett Square** shows all the possible allele (gene) combinations in the offspring of two organisms.

	R	r	
male parent	Rr		
female parent	Rr	RR	Rr
	Rr	Rr	rr

Mitotic cell

A cell preparing to undergo division. Notice the dense chromatin.