















Property I INA Oc eplication mi lumber of Or	Mitosis ccurs during interphase before itosis begins	Meiosis Occurs during interphase before meiosis I begins
NA Oc eplication mi	ccurs during interphase before itosis begins	Occurs during interphase before meiosis I begins
lumber of Or	a including graphers, materia	
ivisions an	aphase, and telophase	Two, each including prophase, metaphase, anaphase, and telophase
ynapsis of Do omologous hromosomes	bes not occur	Occurs during prophase I along with crossing over between nonsister chromatids; resulting chiasmata hold pairs together due to sister chromatid cohesion
umber of Tw aughter cells ide nd genetic omposition	vo, each diploid (2 <i>n</i>) and genetically entical to the parent cell	Four, each haploid (<i>n</i>), containing half as many chromosome as the parent cell; genetically different from the parent cell and from each other
cole in the En nimal body zy an	ables multicellular adult to arise from gote; produces cells for growth, repair, d, in some species, asexual reproduction	Produces gametes; reduces number of chromosomes by hall and introduces genetic variability among the gametes



