

Name key

Date _____

MITOSIS AND MEIOSIS COMPARISON

Fill in the blanks comparing mitosis and meiosis!

	Mitosis	Meiosis
Purpose of the process	Growth and repair	Genetic diversity
Type of reproduction	Asexual	Sexual
Number of daughter cells produced	2	4
Number of division	1	2
Genetically identical or different daughter cells (compares to each other)	Identical	Different
Contains homologous chromosomes	No	Yes
Chromatin condenses into chromosomes	Yes	Yes
Type of cells produced	Yes	Yes
Daughter cells compared to parent cells (identical or different)	Body cells	Sex cells
Haploid or diploid daughter cells	Identical	Different
Crossing over occurs	No	Yes
Interphase occurs	Yes	Yes