

Name: _____

Block: _____

Mitosis vs. Meiosis

	MITOSIS	MEIOSIS
Purpose		
Cell Types which undergo each type of cell division		
Number of divisions		
<u>Daughter Cells</u> Number Haploid or diploid Identical or Unique Number of Chromosomes (in a human cell)		
Differences in Events of the Phases		

2. Identify three similarities of mitosis and meiosis.

(i) _____

(ii) _____

(iii) _____

Mitosis or meiosis or both?

	<u>Statement</u>
1	Type of asexual reproduction
2	Part of process of sexual reproduction
3	Increases genetic diversity
4	Nuclear member dissolves.
5	Cells split once
6	Daughter cells have same DNA as original cell
7	Daughter cells have different DNA
8	Daughter cells are haploid
9	Results in 2 daughter cells
10	Involves cells splitting in half
11	Produces gametes (sperm and ova)
12	Daughter cells are diploid
13	DNA thickens
14	DNA replicates before process starts
15	Daughter cells have 46 chromosomes
16	Cells split twice
17	Chromosomes line up along equator
18	Almost all cells go through process
19	Daughter cells have 23 chromosomes
20	Daughter cells have 2n chromosomes