

Chapter 11 Introduction to Genetics **Graphic Organizer**

Compare/Contrast Table

Comparing Processes

Using information from the chapter, complete the compare/contrast table below. If there is not enough room in the table to write your answers, write them on a separate sheet of paper.

	Mitosis	Meiosis
Function	Growth; regeneration of new cells	1.
Location in Body	All body cells	2.
Number of Daughter Cells	3.	Four
Change in Chromosome Number	4.	5.
Number of Phases	Four	6.
Number of Cell Divisions	One	7.
Difference in DNA Between Parent Cell and Daughter Cells	8.	Homologous chromosomes assort independently, so each gamete has a unique combination of alleles