	eiosis Reading Worksheet (3/10) tegrated Science 2	Name:	Per:
	Read pages 767 – 770 in the IS1-2 textbo		
	What is the purpose of <i>meiosis</i> ?		
	Define the following terms:		
	homologous chromosomes-		
	diploid cell		
			symbol:
	haploid cell		
	symbol:		
	tetrad		
	Complete the table on side 2.		
	What is <i>crossing over</i> ?		
	Reasoning Skills: How might crossing over add to genetic variation in a population?		
	In male animals, haploid gametes are called		
	In female animals, haploid gametes are called		
	That is the fundamental difference in meiosis between males and females (sperm vs. egg production)?		
	Process Skills: In human cells, 2N = 46. How many chromosomes would you expect to find in a human sperm		
	cell? In a human egg cell? In a human white blood cell?		
	Using the table on side 2, along with your cell division notes, compare mitosis and meiosis by completing the		
•	following table.		
		omparing Mitosis and Meiosis	
	Characteristic	Mitosis	Meiosis
_			
'u	rpose		
Number of daughter cells			
٧u	mber of cellular divisions		
-e	netic composition of daughter cells		
	aploid or diploid)		
	·F		
J.	pe of cells undergoing process		