Name	Date_	
GENETICS		
CROSSING OVER & INDEPENDENT ASSORTMENT - QUIZ		
Based on: Independent Assortment and Crossing Over (tutorial) & Law of Independent Assortment (dictionary)		
I: Fill in the gaps in the text using the words below:		
chiasmata, homologous chromosomes, meiosis, exchange, variation		
CROSSING OVER		
During		
Column A		Column B
1. The Augustinian monk who formulated the Laws of Inheritance based on plant breeding experiments2. Mendelian Law stating that for every pair of unit factors, each assorts independently into the newly formed gametes3. Formerly referred to as the "unit factors"4. Describes an organism that inherits two sets of chromosomes5. The plant that was used in breeding experiments to formulate the Laws of Inheritance6. The cell that forms after the union of male and female gametes7. The biological process wherein independent assortment occurs, and therefore, increases genetic diversity	A. B. C. D. E. F. G. H. J. K.	Zygote Law of Segregation Law of Independent Assortment Genes Diploid Haploid Meiosis Mitosis Gregor Mendel Pears Peas

