Name	Class	Date
Section 11-5 Lir	hkage and Ge	ne Maps
(pages 279-280)		
Exerct Concept		
• What structures actually as	sort independently?	
Gene Linkage (page 279))	
1. Is the following sentence true	e or false? Thomas Hunt N	Morgan discovered that some
genes violated the principle of	of independent assortment	
2. Morgan grouped the <i>Drosop</i>	hila genes that were inheri	ited together into four
grou	ps.	
3. List the two conclusions that	Morgan made about gene	es and chromosomes.
a.		
b		
0.		
4. Why didn't Mendel observe	gene linkage?	
Gono Mans (name 270 2	90)	
Gene Maps (pages 279-2 5. Explain why two genes found	•	e are not always linked forever.
6. The new combinations of all	eles produced by crossove	er events help to generate genetic
	e or false? Genes that are	closer together are more likely to
be separated by a crossover e		•
8. What is a gene map?		

____ _____ _____

9. How is a gene map constructed? _____