				Name:		
				Hour: Date:		
			Chapter 25.3			
			The Universe			
The M	lilky W	ay Galaxy				
	•	• •	f stars,	, and gases held together by gravity		
	0	, , ,	·			
۲			of the Milky	_		
	>	The	Way is a large			
				wide and		
		about	light-years	at the		
			•			
۲			of the Milky Way			
	>		telescopes	that the Milky		
				distinct spiral		
		with some	•			
Types	of Gal	axies				
۲			_ Galaxies			
	>	About	percent of all	are		
			galaxies.			
	>			000 to 125,000years		
		and contain b	oth and	stars.		
	>	Many spiral	look	e a pinwheel.		
	>		spiral	, like the Milky Way, have a		
			through their			
۲	Ellipti	cal Galaxies				
	>	About	_ percent of	are classified as		
			galaxies.			
	>		galaxies range in sha	ape from to		
			·			
۲	Irregu	ılar Galaxies				
	>	Only	percent of the known	have		
			shapes and are			
			·			
	>	In addition to	and	, one of the major		
				of galaxies is the		

	of sta	ars	galaxies co	ontain			
۲	Galaxy Clusters						
	λ galaxy clu	ster is a system o	f galavies containi	ng			
		•	of member galaxi				
			or member guaxi				
	<u>e's Law</u>						
۲	The universe is						
	Hubble's law is a law that		that the	250			
U	Hubble's law is a law that				that		
	is proportional to their			ay at a	เทลเ		
			'				
۲	To help	the nature of th	e	, imagine a l	oaf of		
	bread						
	few hours. As the dough						
	between all the Those located						
	apart aw	ay from each oth	er more	· •			
	g Bang						
۲	The big th						
	was		to a dense,	, superma	assive		
	·						
	Then, about	hillion years ago	v a violent	occurred			
0	this				,		
	(115			·			
The Bi	ig Crunch?						
	The future of the		_ follows two poss	sible paths:			
	1. The	will	forever.				
	 The The outward 	wi	II ar	nd gravitational			
		will follow.					
0	T L .	- 41.	hu an at	•	_		
۲	The curre	ntiy	by most	IS ar	1		
		universe with	n endin	g hourt.			
۲	However	used to	+	he of th	ne universe		
	have substantial	However,used totheof the universe have substantial					