Name Completed	Section		
EARTH AND SPACE SCIENCE - Explaining the Early Universe			
1. If you were studying space exploration 100 ye everything in 'outer space' never	- •		
2. Between 1918 and 1929 powerful microscopes allowed a bodies than they had been able to see before.	the contract of the contract o		
3. Celestial bodies is a general term forall	objects in the sky		
3. Celestial bodies is a general term for <u>all</u> including the Sun Maan	planets and stars		
4. Edwin Hubble identify other galaxies besides the Milky Way. 5. He also noticed that all the galaxies he was of Rather, they were	bserving were not staying still.		
6. When Hubble retraced the paths along which moved, it appeared that they had all started moved. in space.			
7. Hubble went on to propose that the universe all directions. He also suggested that all the gal of to reach their present point.	laxies have taken the same amount		
8. To understand this concept, we can use the a	- '		
distance between all the raisins (galaxies) increa			

Name <u>Camples</u>	red		Section_	,
EARTH AND SPACE	SCIENCE - Galaxies			
	ollection of star			
2. We live in the <u>Mi</u>	Iky Way	galaxy.		
he thought he was loo	5_, Edwin Hubble of King at a <u>nebula</u> now named <u>Andro</u>	(a cloud	of gas and	dust). The
4. Astronomers now e billion galaxies.	stimate that the whole	universe con	tains at leas	st <u> 25</u>
1. <u>spiral</u> 2. <u>ellipti</u>	pe classified according t	o one of thr	ee basic sho	ipes:
6. Spiral Galaxy❖ When viewed fr	rom above it looks like a	pinwr	reel	
	t looks like a <u>pape</u> inserted into its c		olate	with an
THE STATE OF THE S	ge' is made up of <u>st</u>		that formed	i long ago
	g it is made of <u>aas</u>			
* The Milk	i Way	is a sp	iral galaxy	
Earth is located Way	d in one of the <u>spir</u>	<u>al</u> .	arms	of the Milky

	Elliptical Galaxy Ranges in shape from a perfect <u>sphere</u> to a stretched-out
	ellipse
	Some are similar to the shape of a <u>football</u> and others to the shape of a <u>cigar</u>
	❖ Contain some of the <u>oldest</u> stars in the universe
	* <u>over</u> <u>half</u> of all galaxies are believed to be elliptical
	The <u>largest</u> galaxies in the universe are elliptical
8.	Irregular Galaxy
	Does not have any <u>regular</u> shape such as spiral arms or an obvious central bulge
	* Are made up of a mix of <u>newly</u> forming stars and <u>old</u> stars
9.	Galaxies can also differ in:
	* <u>Size</u>
	* mass
	* colour
	 brightness speed of spin
	* speed of spin
	These differences are determined by the <u>number</u> of stars,
10.	type of stars and the amount and type of <u>gas</u> and dust making up a galaxy.

13. Most galaxies contain tu	vo distinct formations of stars, called star clusters:
1. globular	<u> </u>
2. open	cluster
14. Globular Cluster	
Composed of up to	one million stars
	ir mutual gravity in a <u>spherical</u> shape
v riola rogoliloi by ilic	shape
15. Open Cluster	
Contain from a few of stars	hundred to a few tens of thousands
* More evenly	_ distributed
16. Match the following b spiral galaxy	α,
<u> </u>	b.
a elliptical galaxy	C.