	ESS Term 1 Review		Name:	Key	
C	Part 1	pratter		,	
	Define each of the following:	4			
(	1. Mass - Stuff  2. Volume - Size  3. Density - Cross	L (ano	un tot	STAFF	~ )
/	2. Volume - Size	Lamon	ntots	sumerui.	35)
			500	effing he	Es \
	Density — Cro	udednes		up.	
	4. Weight - The	Line of	aplare	ts gravi	<del>/</del> /
	Examine the objects below.	pulling o	n an o	bject.	•
	Which object has the n	nost volume? F	east? $\hat{\mathcal{D}}$	Ti-	<del></del> ;
ā	Which has the most ma				
1	Which has the most w	<u>~</u>		•	
_	8. Which is most dense?				
U	o. While it is most dense.		00	13	
		11/			
2	A . B	C D I	**************************************	Charles Comments	
	Show two fundamenta	ally different ways to	<i>යියි</i> make this නිය <u>more</u>	dense. In each case,	explain what changes
	you made to mass, vol				
	_	Add mass	Red	hee	
	00000		(00)=		
	000				

10. Draw two objects (similar to my drawing above) that have different masses but similar densities.



11.	Suppose you heat a sealed container full of gas (this could be air, hydrogen, or something else)	
	a. What happens to the motion of the gas molecules?	$\bigcirc$
	Specdup	
	b. What happens to the pressure of the gas?	
	Increases	
	c. What is pressure, and why does it change?	
74	to force of the gas particles pushing -	
	c. What is pressure, and why does it change?  Le force of the gas particles pushing.  They push harder when they make faster.	
	a. If the container is stretchy, what will happen to its volume? Why?	
	Bigger. The gas particles pressure pushes it outward.	
	pressure pushes it outward.	
	e. If the container is stretchy, what will happen to its density? Why?	
	Pensity decreases, because the size wincreases, so it is less crowded inside	
	microases, so it is less crowded inside	
12.	Suppose you compress a sealed container full of gas (this could be air, hydrogen, or something else)	
	a. What happens to the temperature of the gas?	
	Heats up	O
(	b) Explain why compression changes the temperature in this way.	
	Owhen you squeeze, you push the gas particles, and make	
	the gas particles, and make	
	d. What has happened to the volume of the gas? Why?	
	d. What has happened to the volume of the gas? Why?	
	size decreases, because  I compressed it.	
	T mare sseel it	
	1 6000	
	e. What has happened to the gas density) Why?	
	My dense -> I compressed it, so	
	Mire dense -> I compressed it, so its particles are more crowded	<i>'</i> .
	113 par	
12.5	List the colors of stars, from hottest to coolest.	
Œ.I	Blue, White, Vellow, Orange, Red	
	plue, write, kerow, crange,	