Nan	ne	Class	Date					
SI	kills Worksheet							
	Directed Reading A							
Se	Section: What Is Matter?							
MA	TTER							
	. What characteristic do a human, hot soup, the metal wires in a toaster, and the glowing gases in a neon sign have in common?							
2.	2. What is matter?							
MA	TTER AND VOLUME							
	3. What unit would you use to measure the amount of water in a lake?							
	a. grams (g)b. liters (L)		c. meters (m) d. milliliters (mL)					
	` ,	ise to measu	re the volume of soda in a can? c. liters (L)					
	b. grams (g)		d. milliliters (mL)					
5.	What is volume?							
		ca	nnot share the same space at the					
	same time.	ame time.						
	To measure a volume of water in a graduated cylinder, you should look at the bottom of the curve at the surface of the water called							
	the The volume of solid objects is commonly expressed in							
0.	units.							
9.	What three dimensions are needed to find the volume of a rectangular solid?							
	How could the volume of a 12 graduated cylinder?	e-sided obje	ct be found using water and a					

Name _		Class	Date			
Dire	cted Reading A contir	nued				
	Thy can you express the ethod in cubic units?	e volume of the 12	-sided object measured by this			
MATT	TER AND MASS					
	_ 12. The amount of m	ount of matter in an object is its				
	a. volume.		c. meniscus.			
	b. length.		d. mass.			
	_ 13. The SI unit of ma	ass is the	1.7.			
	a. newton. b. liter.		c. kilogram. d. pound.			
			a. pouna.			
	_ 14. The SI unit of we a. newton.	eight is the	c. kilogram.			
	b. liter.		d. pound.			
16. W —	a. a mass of 100 b. a volume of 1 c. a mass of 1,00 d. a mass of 100 that is the only way to	m ³ on Earth. 00 g on Earth. g on Earth.	f an object?			
 For ea	ach description, write v	whether it annlies t	o mass or to weight			
. 0. 00	•		no matter where the object is located			
		_ 18.is a measure of the gravitational force on an object				
	19.is	s measured using a	spring scale			
	20.is	20.is expressed in grams (g), kilograms (kg), or milligrams (mg)				
	21.is	s expressed in new	tons (N)			
	22.is	s less on the moon	than on Earth			
	22 10	s a measure of the	amount of matter in the object			

Name	Class	Date					
Directed Reading A continued							
INERTIA							
24. The tender a. mass. b. gravitat c. inertia. d. weight.	tion.	change in motion is known as					
25. What is needed in order to cause an object at rest to move, or an object in motion to change its direction or speed?							
26. How does mass affect the inertia of an object?							
27. Why is it harder t	o get a cart full of potatoes	s moving than one that is empty?					