ERPI Reproduction and adaptation	solely for use with Observatory.
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Name:		Group:	Date:	
	Conservation of matte	er	STUDENT BOOK p. 50	
1. Which of the following statements describes the law of conservation of mass?				
	a) The quantity of matter remains constant a physical change.			
	b) The quantity of matter remains constant chemical change.	, but only during a		
	c) The quantity of matter always remains c of what type of change takes place.	onstant, regardless		
	d) The quantity of matter does not remain of what type of change takes place.	constant, regardless of		
2.	2. Which of the following examples respect the law of conservation of mass?			
	 a) Melting 10 g of aluminum gives 8 g of m b) 4 g of hydrogen reacting with 32 g of oxy c) A glass of water containing 22 g of dissoleaves 20 g of salt. 	gen gives 36 g of water.		
	d) Burning 24 g of carbon with 64 g of oxyg carbon dioxide.			
	e) A plant that absorbs 264 g of carbon dio produces 180 g of sugar and 192 g of or		esis.	
3.	 Gas is released when sodium bicarbonate reacts with vinegar. How can you tell if the law of conservation of mass is being respected? Explain your answer. 			
4.	When water is frozen, the ice occupies more space in the container than the water did in the beginning. Explain how this is possible despite the law of conservation of mass.			