Chei	mist	try I: Chapter 2 Test						
	_	Choice he choice that best completes the statement or c	answer.	s the question.				
	1.	. Which state of matter expands when heated	and is	easy to compress?				
		a. gas	c.	solid				
		b. liquid	d.	all of the above				
	2.	8						
		 a. 2.5 cm³ b. 25 cm³ 	c. d.	250 cm ³ 2500 cm ³				
	3.							
	٥.	a. rusting	C.	boiling				
		b. fermenting	d.	burning				
	4.		density	of silver is 10.5 g/mL?				
		a. 45.6 g	c.	4.79 g				
		b. 52.5 g	d.	none of the above				
	5.	Which state of matter is characterized by having an indefinite shape, but a definite volume?						
		a. gas	c.	solid				
	_	b. liquid	d.	none of the above				
	6.	- · · · · · · · · · · · · · · · · · · ·	sure to	sunlight, what type of change is likely taking place?				
		a. a physical changeb. a chemical change						
		c. neither a physical change nor a chemical	al chan	ge.				
		d. both a physical change and a chemical change						
	7.		•	al change?				
		a. mixing	c.	grinding				
		b. melting	d.	decomposing				
	8.	8. What must occur for a change to be a chemical reaction?						
		a. There must be a change in chemical pro	•					
		b. There must be a change in physical prop	•					
		c. The change must involve a change in md. The change must involve a change in vo						
	0			a cubatanaa 9				
	9.	 Which of the following CANNOT be classif a. table salt 	ned as c.	nitrogen				
		b. air	d.	gold				
	10.	-						
	10.	a. bending	c.	rusting				
		b. melting	d.	polishing				
	11.	. Which of the following is true about compo	unds?					
		a. They can be physically separated into their component elements.						
		b. They have compositions that vary.						
		c. They are substances.	C .1 .					
		d. They have properties similar to those of	their c	component elements.				

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 12.	Which of the following is a heterogeneous mix				
	a. air	c.	steel		
	b. salt water	d.	soil		
 13.	Which of the following is a chemical property?	,			
	a. color	c.	freezing point		
	b. hardness	d.	ability to react with oxygen		
 14.	Which of the following does NOT indicate that a chemical change may have taken place?				
	a. fracture formation	C.	precipitate formation		
	b. gas production	d.	energy transfer		
 15.	Which of the following is a heterogeneous mix				
	a. vinegar in water	C.	oil and vinegar		
	b. milk	d.	air		
 16.	Which of the following is a physical change?				
	a. corrosion	C.	evaporation		
	b. explosion	d.	rotting of food		
 17.	Which of the following is true about homogene	eous	mixtures?		
	a. They are known as solutions.				
	b. They consist of two or more phases.c. They have compositions that never vary.				
	c. They have compositions that never vary.d. They are always liquids.				
10	• • •	rana	tions?		
 18.	Which of the following is true for all chemical reactions? a. The total mass of the reactants increases.				
	a. The total mass of the reactants increases.b. The total mass of the products is greater th	an tl	he total mass of the reactants		
	c. The total mass of the products is less than				
	d. The total mass of the reactants equals the t				
19.	What happens to matter during a chemical reaction?				
	a. Matter is neither destroyed or created.				
	b. Some matter is destroyed.				
	c. Some matter is created.				
	d. Some matter is destroyed and some is crea	ted.			
20.	Which of the following is a homogeneous mixt	ure?			
	a. salt water		sand and water		
	b. beef stew	d.	soil		
 21.	Which of the following are considered physical	l pro	perties of a substance?		
	a. color and odor	c.	malleability and hardness		
	b. melting and boiling points	d.	all of the above		
 22.	A substance that can be separated into two or n	nore	substances only by a chemical change is a(n)		
	a. solution	c.	mixture		
	b. element	d.	compound		
 23.	Which state of matter is characterized by having	gao	definite shape and a definite volume?		
	a. gas	c.	solid		
	b. liquid	d.	all of the above		
 24.	An example of a homogeneous mixture is				
	a. water	c.	noodle soup		
	b. stainless steel	d.	oxygen		

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25.	What is the density of an object having	g a mass of 8.0 g	and a volume of 25.0 cm ³ ?					
	a. 0.32 g/cm^3	c. 3.1	g/cm ³					
	b. 2.0 g/cm ³	d. 20	0 g/cm ³					
26.	Which of the following materials is a s	substance?						
	a. air		inless steel					
	b. gasoline	d. sil	ver					
27.	Which of the following items is NOT	a compound?						
	a. baking soda	c. suc	crose					
	b. salad dressing	d. tab	ole salt					
28.	8. In the chemical reaction in which sucrose is heated and decomposes to form carbon dioxide and water,							
	of the following is a reactant?							
	a. sucrose	c. wa	ter					
	b. carbon dioxide	d. he	at					
29.	An example of an extensive property of matter is							
	a. temperature	c. ma	ess					
	b. pressure	d. ha	rdness					
30.	What is one difference between a mixt	ure and a compo	und?					

A compound consists of more than one phase.

A mixture must be uniform in composition.

b. A compound can only be separated into its components by chemical means.c. A mixture can only be separated into its components by chemical means.

a.