Chapter 13 Practice Test

1.		olecules together is a type of				
	a. direct		c.	intermolecular	d.	catalytic
2.	Ice is water and the	nerefore floats.				
	a. more dense than	b. less dense than	c.	as dense as	d.	a phase of
3.	The phase change from solid	b. less dense than to liquid is called b. freezing	_•			
	a. condensation	b. freezing	c.	melting	d.	sublimation
4.	The strongest intermolecular	force is a		_		
	a. dipole-induced dipole	b. dispersion force	c.	ionic bond	d.	hydrogen bond
5.	Which of the following proce	esses is accompanied by an increa	se in po	otential energy		, ,
	a. freezing	b. condensation	c.	melting	d.	deposition
6.	The amount of energy require	ed to separate liquid particles is ca	alled th	e.		
		b. heat of vaporization			d	heat capacity
7.	The smallest unit of a crystal		٠.	specific ficut	۵.	near capacity
<i>,</i> .	a. unit cell		C	cell unit	А	chemical unit
8.	Solids with unorganized structure		C.	cen unit	u.	chemical unit
о.	a. crystalline			hydrated	a	ionia
9.				nyurateu	u.	ionic
9.		orce found between water molecul		lander over land	.1	
10	a. dispersion	b. dipole-dipole		hydrogen bond	a.	network covalent
10.	The phase change between It	quid and solid is called	·	1.1		1.11
	a. condensation	b. freezingoccur at the same temperature.	c.	melting	d.	sublimation
11.	Freezing and	_ occur at the same temperature.				
	a. condensation	b. freezing	C.	melting	d.	sublimation
12.	At the melting/freezing point	of a substance the at	which t	the substance melts and	fre	ezes is equal.
	a. amount	b. time	c.	rate	d.	magnitude
13.	To cause something to freeze	e, must be remo	ved.			
	a. energy	b. heat	c.	motion	d.	all of the above
14.	Water is densest at	·				
	Water is densest ata. 0°C	b. 2°C	c.	4°C	d.	6°C
15.	Surface tension is caused by	pulling water m	olecule	es together and down av	vay	from the surface.
	a. adhesive	b. rehesive	c.	cohesive	d.	none of the above
16.	a. adhesive The water in a tube will rise	b. rehesive until the adhesive force of water t	c. o the tu	cohesive the equals the	d.	none of the above
16.	The water in a tube will rise	until the adhesive force of water t	o the tu	ibe equals the		
16.	The water in a tube will rise a. volume of the water	until the adhesive force of water t b. mass of the water	o the tu c.	ibe equals the		
16.17.	The water in a tube will rise a. volume of the water The phase change from liquid	until the adhesive force of water t b. mass of the water d to gas is called	o the tu c.	cohesion of the water	d.	none of the above
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Chapter 13 Practice Test

Use the diagram below to answer the questions 31 - 35.

- 28. Which portion of the graph represents the heating of gaseous water? E
- 29. Which portion of the graph represents the melting of solid water into liquid water? B
- 30. Which portion of the graph represents the heating of solid water? A
- 31. Which portion of the graph represents the vaporization of liquid water into gaseous water? D
- 32. Which portion of the graph represents the heating of liquid water? C

