Chapter 17 practice

Name MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question. 1) _____ 1) When vapor transforms to a plasma, energy must be A) released from the vapor. B) absorbed by the vapor. C) both of these D) neither of these 2) To increase the temperature of 50 grams of water by 2 Celsius degrees requires 2) _____ A) 0.04 calorie. B) 4.19 calories. C) 2 calories. D) 100 calories. E) 25 calories. 3) To meltice add 3)

3) 10	men ice, add						3)	
	A) time.	B) temperatu	re. (C) force.	D) (energy.		
4) The most responsible factor for whether a substance takes the phase of solid, liquid, gas, or plasma is its								
pia	A) temperature. C) composition.			B) atomic shell cor D) none of the abo	_	n.		
5) A l	ooy scout will be bu		•				5)	
	A) 100 g of steam a C) both about equa			B) 100 g of water a D) neither of these				
6) In a heat pump, warming is accomplished when								
	A) condensation oc C) both of these	curs in its coils.		B) vaporization oc D) neither of these		coils.		
7) When water vapor changes phase to become water in a cloud, the surroundings become								
	A) warmer.			B) cooler.				
	C) both of these		I	O) neither of these				
8) A canteen that is wet on the outside results in water inside that is								
	A) warmer.			B) cooler.				
	C) both of these		I	O) neither of these				
9) If bits of the coals do not stick to your feet while walking barefoot on red-hot coals, it would be								
	st if your feet are A) dry.	B) wet.	C) cold.	D) very l	not.	E) warm.		
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10) When water freezes, the surrounding air is								
	A) warmed.			B) cooled.				
	C) both of these		I	O) neither of these				

11) Rapid evaporation of hot water can lead to		11)		
A) the formation of ice.	B) superheated steam.			
C) both of these	D) neither of these			
12) When moth balls sublime to gas they		12)		
A) release energy.	B) absorb energy.			
C) both of these	D) neither of these			
13) Water can be brought to a boil by		13)		
A) applying heat.	B) reducing air pressure on its surface.			
C) both of these	D) neither of these			
14) Stored potatoes, beets, and rutabagas in an unheat	red well-insulated room can be protected from	14)		
freezing by having in the room	•			
A) an ample supply of fire wood.	B) blocks of foam plastic.			
C) large tubs of water.	D) none of the above			
15) Melting snow tends to		15)		
A) cool the surrounding air.		, 		
B) warm the surrounding air.				
C) neither of these				
16) As a block of ice at 0°C melts, the block absorbs energy				
A) without a temperature change.		16)		
B) and decreases in temperature.				
C) and increases in temperature.				
D) all of the above				
E) none of the above				
17) Ice is put in a cooler to cool the contents. To speed	up the cooling process, the ice can be	17)		
17) Ice is put in a cooler to cool the contents. To speed up the cooling process, the ice can be A) broken into smaller pieces.				
B) kept away from the food.				
C) drained of water periodically.				
D) wrapped in newspaper.				
E) none of the above				
18) Which involves a larger number of calories?		18)		
A) the condensation of 1 gram of steam at 100°C	C to water at 100°C	10)		
B) the cooling of 1 gram of water at 100 degree				
C) both the same	o celoras to 1 grain of ice at absolute zero			
D) none of these				

Answer Key Testname: CHAPTER 17 PRACTICE

- 1) B 2) D
- 3) D
- 4) A
- 5) A
- 6) A
- 7) A
- 8) B 9) B
- 10) A
- 11) A
- 12) A
- 13) C
- 14) C
- 15) A
- 16) A
- 17) A
- 18) A