	ine Science Ch. 4 Notes and 1 Notes and 1	Name temperature.			per
	To raise the temperature of 1 gram of water 1°C requires how much energy?				
	To raise the temperature of 1 gram of ice 1°C requires how much energy?				
	To raise the temperature of 1 gram of steam 1°C requires how much energy?				
	To melt 1 gram of ice (at (
	To boil away 1 gram of wat				
			-		
	How many calories are needed to change the temperature of 4 grams of water				
	from 20°C to 25°C?				
		#grams	temp. change	heat factor	#cal.
	specificheatofwatervapor			<u> </u>	1
	heatofvaporization	Ţ · · · · · · · · · · · · · · · · · · ·			1
	specific heat of water				†
	heat of fusion	1			†
	specific heat of ice	1			†
			- • • • • • • • • • • • • • • • • • • •		
	total calories				
2.	How many calories are needed to change 10 grams of ice at -10°C to water at				
	10°C?				
		#grams	temp. change	heat factor	#cal.
					·
	specificheatofwatervapor				
	heatofvaporization				
	specific heat of water		,		
	heat of fusion				
			· · · · · · · · · · · · · · · · · · ·	T	
	specific heat of ice	<u> </u>		1	
	specific heat of ice			1	<u></u>
	specific heat of ice	<u> </u>	total c	alories	
	specific heat of ice		totalc	alories	
		/ is needed to			o steam
	what amount of heat energy at 106°C?	is needed to			o steam
	What amount of heat energy	/ is needed to #grams			o steam #cal.
	What amount of heat energy		change 2 grams	of ice at -4°C t	
	What amount of heat energy		change 2 grams	of ice at -4°C t	
	What amount of heat energy at 106°C?	#grams	change 2 grams	of ice at -4°C t	
	What amount of heat energy at 106°C? specificheatofwatervaporheatofvaporizationspecificheatofwater	#grams	change 2 grams	of ice at -4°C t	
	What amount of heat energy at 106°C? specificheatofwatervapor—heatofvaporization————————————————————————————————————	#grams	change 2 grams	of ice at -4°C t	
	What amount of heat energy at 106°C? specificheatofwatervaporheatofvaporizationspecificheatofwater	#grams	change 2 grams	of ice at -4°C t	
	What amount of heat energy at 106°C? specificheatofwatervaporheatofvaporizationspecificheatofwaterheat of fusionheat of fusion	#grams	change 2 grams	of ice at -4°C t	
	What amount of heat energy at 106°C? specificheatofwatervaporheatofvaporizationspecificheatofwaterheat of fusionheat of fusion	#grams	temp. change	of ice at -4°C t	
	What amount of heat energy at 106°C? specificheatofwatervaporheatofvaporizationspecificheatofwaterheat of fusionheat of fusion	#grams	temp. change	of ice at -4°C t	