lgt	Section(s)	WORK	WISHE
What is the energy gained in the H ₂ O when you melt 326 g of ice into liquid?	a) melting ice	Q=mLfus Q=(326)(333) Q=108,5585	Q=+108,558J
What is the energy absorbed when you heat 326 grams of water from 0°C to 100°C?	(3) heating lidical	Q = MCDT $Q = (320)(4.18)($ $Q = 136.268$	$(100-0^{\circ})$ Q= $^{+}136,268$
What is the energy needed to melt 326 grams of ice and heat it to 100 °C?	2) melting t 3) heading	$Q_3 = MC\Delta T$ = $(326)(4)$	$(333) = {}^{t}108,558$ $(344,92)$ $(344,92)$ $(344,92)$
Determine the energy required to convert 21.1 grams of ice at -6°C to steam at 100°C	D+2+3 (+4) warming 109 merling, warm water, boil	$Q_2 = mL = (ZII)$ $Q_3 = mC\Delta T = (ZII)$ $Q_4 = mL = (ZIII)$ $Q_4 = mL = (ZIII)$	(2.09)(0-6) = 264.6 (2.09)(0-6) = 264.6 (2.11)(4.18)(100-0) = 8819.8 (1)(2240) = 47264 (2)(3)(4)(3)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)(4)
What is the heat required to convert 51 grams of ice at -20.3°C to water at 0°C?	(1)+2) warm ice and melt	$\mathfrak{D}_2 = (51)(333) = 1$ $\mathfrak{O}_1 + \mathfrak{O}_2 = 1$	9146.85
What is the energy absorbed when you melt 75 grams of ice at -5°C to steam at 150°C?	(1)+(2)+(3) +(1)+(5)	$Q_2 = (45)(333)$ $Q_3 = (45)(411)$ $Q_3 = (45)(224)$	2\//M -0 \- 31350
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