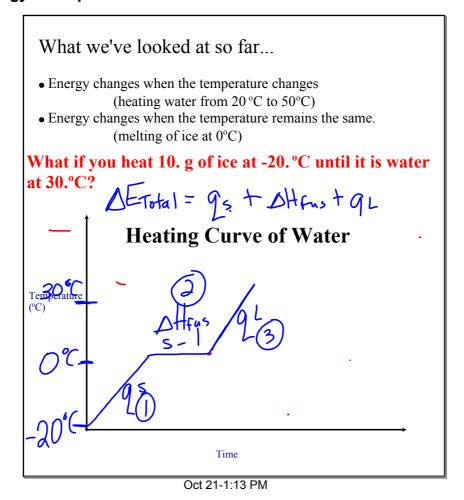
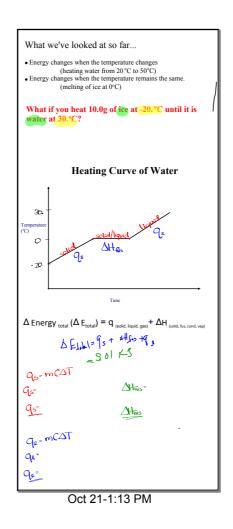


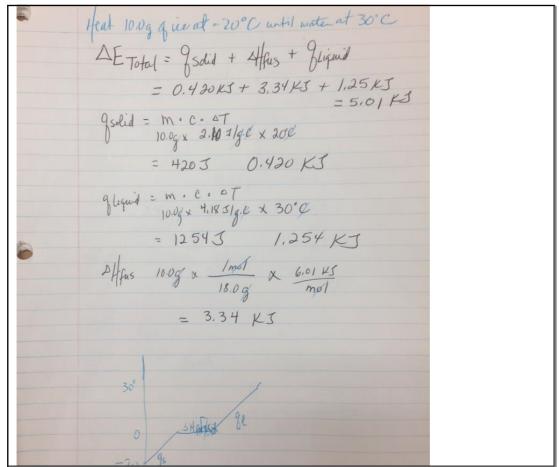
Sep 25-4:31 PM

10 g ice x <u>1 mol</u> x <u>6.01 kJ</u> 18.0g 1 mol

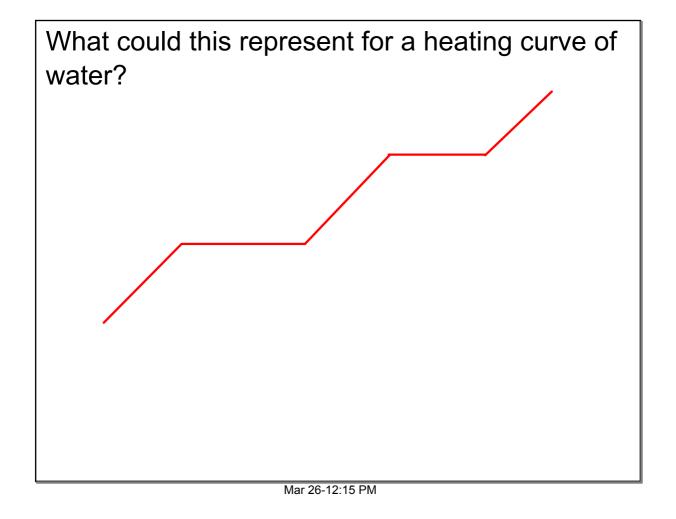
3.335 kJ 3335 J







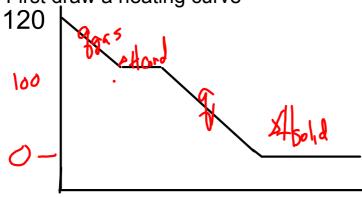
Mar 13-3:35 PM



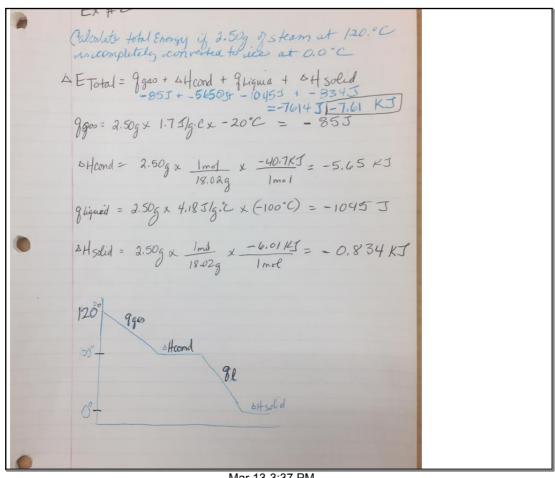
Total Energy Changes

Calculate the total energy change if 2.50 g of steam at 120.0°C Ex. is completely converted to ice at 0.00 °C.

First draw a heating curve



Oct 21-1:43 PM



Mar 13-3:37 PM

Total Energy Changes

Ex. Calculate the total energy change if 2.50 g of steam at 120.0°C is completely converted to ice at 0.0°C.

 $\Delta E_{total} =$

V.

Oct 21-1:43 PM

Homework

Section Review 17.3

Page 526 Q 27-31

- #1 A sample of water with a mass of 23.0 grams at a temperature of -46.0 C increases to 40.0 C.
- A) sketch out a heat curve
- B) Calculate the total heat needed.
- #2 A 10.0 kg grams of steam at a temperature of 130.0 C is converted to ice at a final temperature of -15.0 C.
- A) sketch out a heat curve
- B) Calculate the total energy change.

A sample of water with a mass of 23.0 grams at a temperature of -46.0 C increases to 40.0 C.

- A) sketch out a heat curve
- B) Calculate the total heat needed.

Oct 11-8:50 AM

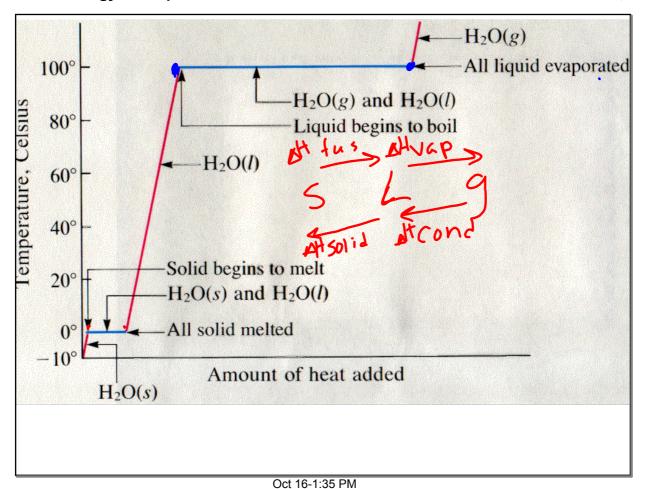
A 10.0 kg grams of steam at a temperature of 130.0 C is converted to ice at a final temperature of -15.0 C.

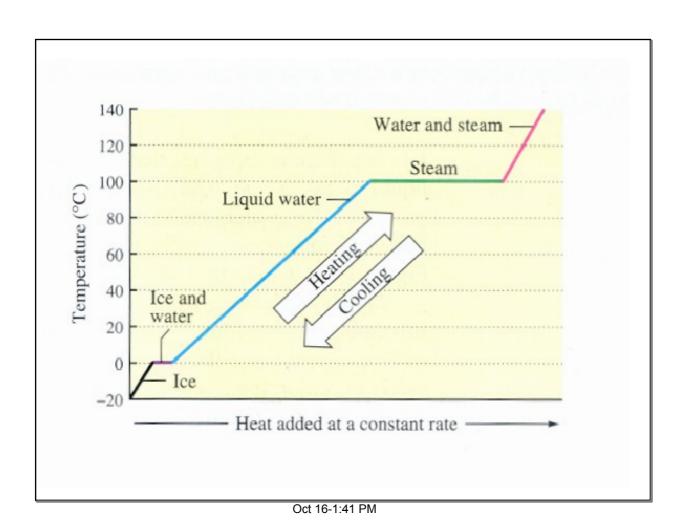
- A) sketch out a heat curve
- B) Calculate the total energy change.

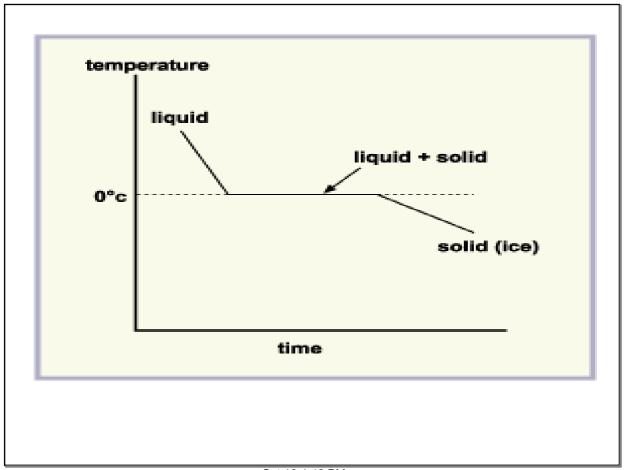
Worksheet

Oct 22-6:26 PM

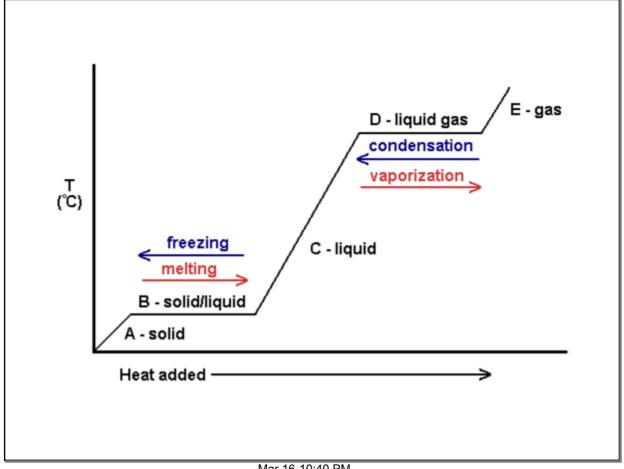
Inert -A substance that is not chemically reactive.



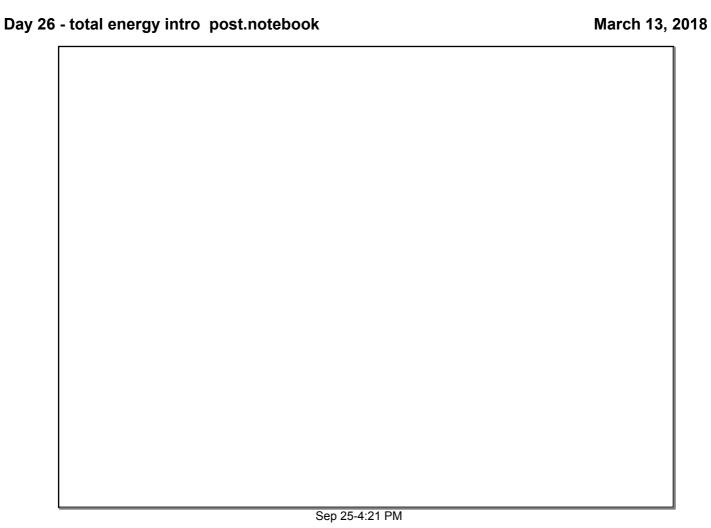








Mar 16-10:40 PM



Heat in Changes of State.pptx