Phys/Chem Weekly Planner: All science week of 4.13.2020 (remember all previous weeks are archived below)



Objectives for the week: Chm.2.1.1 Explain the energetic nature of phase changes.

Phy.2.2 Analyze the behavior of waves.

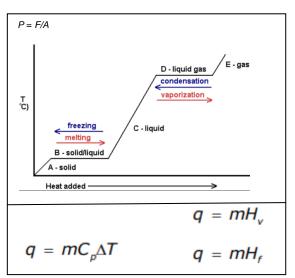
Day	Honors Physics	Honors Chemistry
Mon 4.13	Finish last week's assignment and test if you had asked for an extension.	Finish last week's assignment and test if you had asked for an extension.
	MODULES: SOUND and optics - Do all the reading, videos and guided practice. TAKE notes! week overview	MODULES: Thermochemistry - Do all the reading, videos and guided practice. TAKE notes! overview of the week video
Tues 4.14	ZOOM meeting scheduled. MODULES: SOUND and optics - Do all the reading, videos and guided	ZOOM meeting scheduled. MODULES: Thermochemistry - Do all the reading, videos and
	Sound and Light Test Review https://screencast-o-matic.com/watch/cYf2F8zhDi	guided practice. TAKE notes! Thermochem TEST review https://screencast-o- matic.com/watch/cYf2odzech
	ZOOM meeting scheduled.	ZOOM meeting scheduled.
Wed 4.15	LAB: Sound Link to our sound lab SPR2020 -I found a problem with this for SOME kids. let me know if it doesn't work for you. ZOOM meeting scheduled.	LAB: Heating and cooling CUTVES- link is in the schoology assignment ZOOM meeting scheduled.
Thur s 4.16	LAB: Light LightLabPHYspr2020	Thermochem TEST review https://screencast-o- matic.com/watch/cYf2odzech
Frida y	TEST: Sound and Light	ZOOM meeting scheduled. TEST: Thermochem

Chemistry THERMOCHEM:

Chemistry Reference Tables

Name	Value
Avogadro's number	6.022 × 10 ²³ particles/mole
Gas constant (R)	0.0821 <u>L atm</u> mole K 62.4 <u>L mmHg</u> mole K 8.314 <u>L kPa</u> mole K
Standard pressure	1.00 atm = 101.3 kPa = 760. mmHg = 760. torr
Standard temperature	0°C or 273K
Volume of 1 mole of any gas at STP	22.4 L

Thermodynamic Constants	Symbol	Value
Heat of fusion of water	H _f (water)	334 J/g
Heat of vaporization of water	H_{v} (water)	-/
Specific heat of water	C_{p} (water)	2.05 $\frac{J}{g^{\circ}C}$ for ice, 2.02 $\frac{J}{g^{\circ}C}$ for steam, 4.18 $\frac{J}{g^{\circ}C}$ for liquid



Physics UGHT:

0
6
7
2
2
1
7
6
3

Wave Phenomena

$T=\frac{1}{f}$	c = speed of light in a vacuum
$V = f\lambda$	f = frequency
$n = \frac{c}{v}$	<pre>n = index of refraction</pre>
	T = period
$n_1 \sin \theta_1 = n_2 \sin \theta_2$	v = speed
$\sin \theta_c = \frac{n_2}{n_1}$	θ = angle
$n_1 V_1 = n_2 V_2$	$\theta_{\rm c} = {\rm critical \ angle} \\ {\rm of \ incidence}$
	$\lambda = wavelength$

Warm up activities! cancelled for this

week

Monday -

https://evansccca.weebly.com/

TURN OFF cell phone and put in the bin 3

PHYZ Warm up: TURN OFF cell phone and put in the bin



CHEM Warm up: Turn OFF your cell phone and put in bin (3)

Due to unforeseen events that have occurred and will conflict with our meeting today, the Teacher Advisory Council meeting is being rescheduled for next Thursday, April 16 at 3:45 pm. The same information below for joining the meeting will be used. We apologize for any inconvenience!

To join the video meeting, click this link: https://meet.google.com/prh-fkju-hzp academic talk https://www.sciencecircle.org/event/covid-19-2/ 10AM SLT