## Phys/Chem Weekly Planner: All science week of 2.3.2020

Objectives for the week: Chm.2.2 Analyze the structure and nature of the periodic table.

Phys 1.1 Analyze the nature of motion

| Day | Honors Physics | Honors Chemistry |
| :---: | :---: | :---: |
| Mon | - Warm up (see below) -Student notes: acceleration (2 pages) See teacher example below. Be thorough!! Use Ch 3 on schoology. <br> -*HW= front and back of acceleration questions. Be thorough!! | - Warm up (see below) -Student notes: periodic table Be thorough!! Use Ch 6 on schoology. <br> -*HW= FINISH all pages of notes. Be thorough!! |
| $\begin{array}{\|l} \hline \text { Tue } \\ \text { s } \end{array}$ | -WIU \& get tests back <br> -TEAM presentations <br> -*HW=pg 74 <br> 2. A construction worker accidentally drops a brick from a high <br> a. What is the velocity of the brick after 4.0 s ? <br> b. How far does the brick fall during this time? <br> 43. Suppose for the previous problem you choose your coordinate <br> ystem so that the opposite direction is positive. <br> b. How far does the brick fall during this time? <br> 4. A student drops a ball from a window 3.5 m above the sidewalk <br> How fast is it moving when it hits the sidewalk? <br> 45. A tennis ball is thrown straight up with an initial speed of $22.5 \mathrm{~m} / \mathrm{s}$ <br> is caught at the same distance above the ground. <br> a. How high does the ball rise? <br> b. How long does the ball remain in the air? Hint: The time it takes <br> the ball to rise equals the time it takes to fall <br> 46. You decide to flip a coin to determine whether to do your physics or English homework first. The coin is flipped straight up. <br> . If the cin reaches a high point of 0.25 m above wher $y$. <br> released it, what was its initial speed? <br> b. If you catch it at the same height as you released it, how much <br> time did it spend in the air? | -W/U \& get tests back (?) -short open-notes quiz <br> -LAB!! periodic properties <br> -*HW=Ch 6 pg 198-199 \# <br> 25-32, 37,38,41-48, 58-64. |
| Wed | -W/U -go over HW | -WIU <br> https://www.flippity.net/rp.asp?k=11g1RyW9o-73dJLCQP676DNvTyf8gRrhHwepdxI yiU <br> -LAB: Periodic properties |


|  | -LAB!! How fast can you jump? <br> 3 jumps, average height... come back and calculate. <br> - LAB!! How tall is that thing? THE MARBLE CAN NOT be thrown back up!!2 practice drops, 5 timed drops. <br> -*HW= do warm ups! Pg 85 \#1-10. Finish all test corrections! Finish LABS | (Electronegativity, atomic radius, melting point) ONE of them has to be in 3D and shown to the principal!!!!! () <br> HW= Test corrections. |
| :---: | :---: | :---: |
| $\begin{array}{\|l\|} \hline \text { Thu } \\ \text { rs } \end{array}$ | -W/U <br> -go over HW <br> -Paradigm lab Phase I | -WU <br> Go over HW... any questions? <br> Finish projects |
| $\begin{aligned} & \text { Fri } \\ & \text { day } \end{aligned}$ | -W/U <br> TEST: accelerated motion *HW=-Acceleration at an angle paradigm lab phase II READ CH 4- forces | -W/U <br> Periodic table test *HW= READ CH 7 and 8 III |

## Uarm up activikics!

Monday 2.3.20-

TURN OFF cell phone and put in the bin ())
Phyz= Have you ever been in free-fall? What did it feel like to you?

CHEM= IF you took out ALL the contents out of a typical student's backpack (a good kid!), how would you arrange piles of items? Describe the contents of these piles.

## Tuesday 2.4.20-

https://evansccca.weebly.com/

PHYZ Warm up: TURN OFF cell phone and put in the bin (2)

A flea jumps 4.9 ft. how fast was his take off? How long is he in the air?
$\qquad$
CIDM Warm up: 1.21 .2020 Turn OFF your cell phone and put in bin
Define electronegativity

## Wednesday 2.5.2.0-

https://evansccca.weebly.com/

| PHIZ Warm up: |
| :--- |
| Turn OFF your cell phone and put |
| in bin :- |
| Redo today's quiz here! |
| $($ Q \& A) |

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

Define electron affinity

## Thursday 2.6.20-

https://evanscca.weeblv.com/

| PHYZ Warm up: |
| :--- |
| Turn OFF your cell phone and |
| put in bin |
| -turn IN vertical LEAP lab AND how tall |
| is that? Lab |
| -turn in \#1-10 |
| See that guy? Make a stick diagram |
| for each figure and show a vector for |
| each depicting the acceleration on |
| each one. |


| CHEM Warm up: |
| :--- |
| Turn OFF your cell phone |
| and put in bin © |
| $\quad$ Explain why atomic |
| radius increases as you |
| go down a group on the |
| periodic table. Then |
| explain WHY atomic size |
| decreases as you go |
| from left to right within |
| the same period. |

## Friday 2.7.20-

PHYZ Warm up:Turn OFF your cell phone andput in bin (3)What would the vector foracceleration look like for allthese?DRAW your two accelerationvectors for the smartlemming.

## CHEM Warm up:

Turn OFF your cell phone and put in bin (3)
1)If first ionization energy is HIGH, the electronegativity is $\qquad$ .

## 2) What are the representative

 elements?-do not include d or f blocks


| $\#$ | Answer |
| :--- | :--- |
| 1 | B |
| 2 | A |
| 3 | D |
| 4 | D |
| 5 | C |
| 6 | C |
| 7 | A |
| 8 | C |
| 9 | A |
| 10 | B |
| 11 | B |
| 12 | B |
| 13 | C |
| 14 | B |
| 15 | D |
| 16 | A |
| 17 | D |
| 18 | A |
| 19 | C |
| 20 | C |
| 21 | D |
| 22 | A |
| 23 | C |
| 24 | D |
| 25 | B |
| 26 | A |
| 27 | C |
| 28 | B |
| 29 | D |
| $2 n$ | n |
|  |  |

PHYSICS DATA TABLE:

| Angle | Distance <br> $(\mathrm{m})$ | Time (s) | $\mathrm{V}_{\text {avg }}(\mathrm{m} / \mathrm{s})$ | $\mathrm{V}_{\mathrm{f}}(\mathrm{m} / \mathrm{s})$ | a in $\mathrm{m} / \mathrm{s}^{2}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 20 degrees |  |  |  |  |  |
| 30 degrees |  |  |  |  |  |
| 40 degrees |  |  |  |  |  |
| 45 degrees |  |  |  |  |  |
| 60 degrees |  |  |  |  |  |
| 70 degrees |  |  |  |  |  |

Analysis/conclusion

| Angle | Picture | Accepted <br> acceleration | \% Error $=\left\|\frac{\text { measured } \text {-accepted }}{\text { accepted }}\right\| \times 100$ |
| :--- | :--- | :--- | :--- |
| 20 |  | $\operatorname{Sin} 20^{\circ}=$ |  |
| degrees | $\operatorname{Sin} \Theta=$ <br> op./hyp. $=$ |  |  |
| 30 <br> degrees |  |  |  |
| 40 <br> degrees |  |  |  |
| 45 <br> degrees |  |  |  |
| 60 <br> degrees |  |  |  |
| 70 <br> degrees |  |  |  |

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Nainnes Answer Kev


