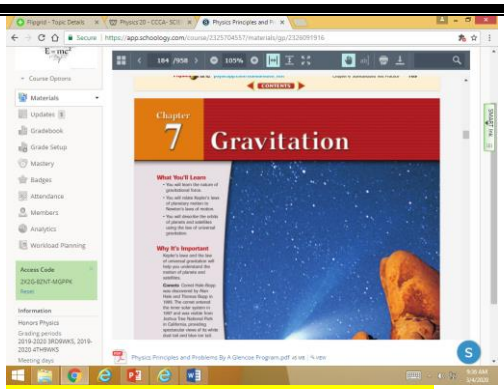
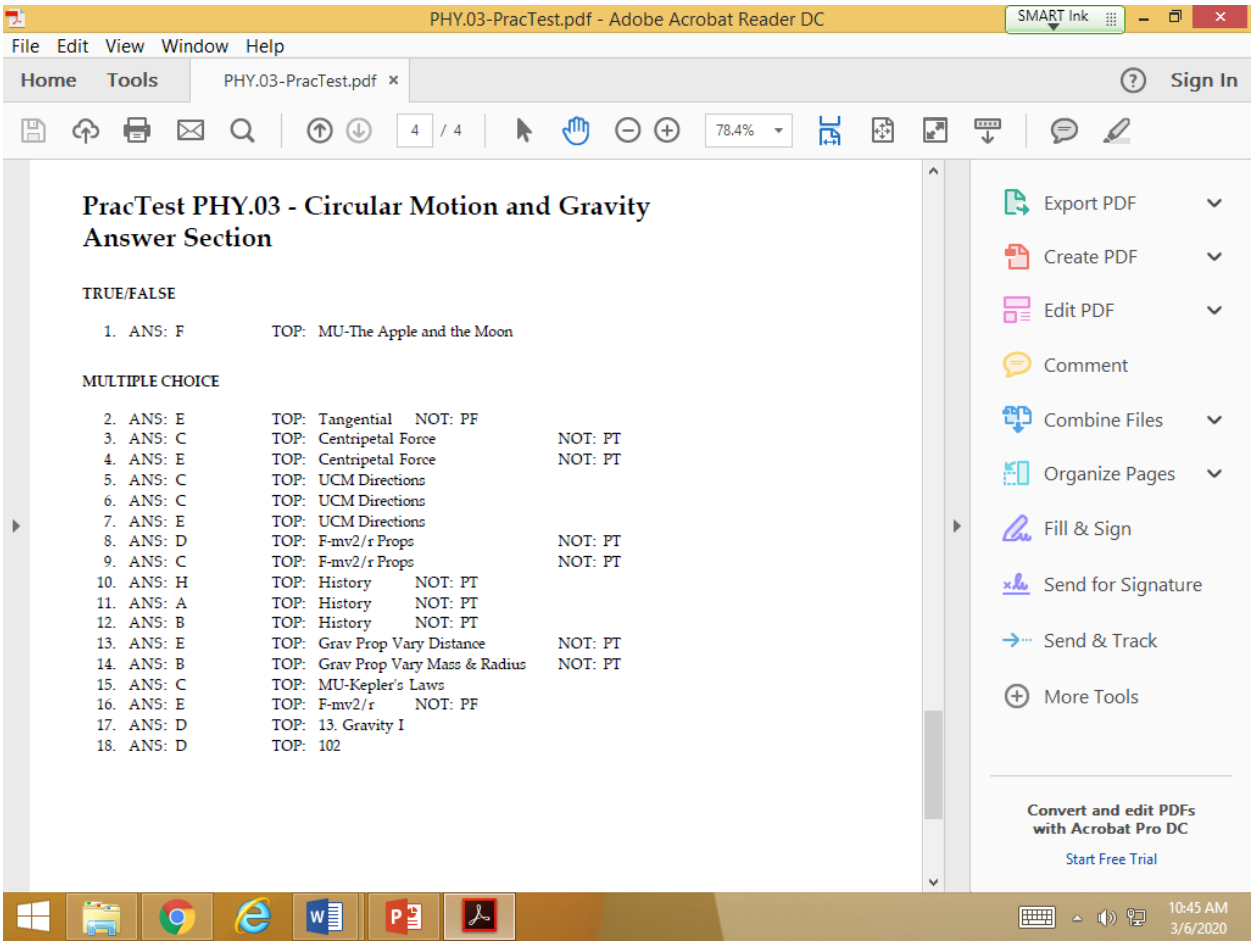
Phys/Chem Weekly Planner: All science week of 3.2.2020

Objectives for the week: Chm.2.2 Analyze the structure and nature of chemical quantities. Phys 1.2 Analyze the nature of forces and motion.

Day	Honors Physics	Honors Chemistry
Mon 3.2	**Due today #186-207** **Class work TODAY= 196-216 (make models and label too!! Then solve)** ***HW= finish 196-216** Copy of today's worksheet for physics	**For 30 min. you must work on the worksheet on the front.** **You may play PLASMA for the rest of the class period.** ***HW= front and back of the worksheet the sub gave you.** **Copy of today's worksheet**
Tues 3.3	**Check in** **GO over all classwork** **Forces practice!!** https://flipgrid.com/c6d0251b ***HW= solve for 35 cm and 22 grams.** **FIX 186-207, Quiz at 8:25 am WED.**	**Check in** **Go over all classwork** **WORD EQUATIONS PRACTICE!** https://docs.google.com/document/d/10_YF4bp2NH-2iBIl7_a9g4a14FEncEBdQgtGqtZJeDc/edit?usp=sharing *HW= finish #1-20
Wed 3.4	**LAB! Forces (only if everyone did their work).**	Lab! Word equations precipitate formation in a double displacement reaction https://www.youtube.com/watch?v=TX6BYceUSL0&t=1s **Virtual lab!** **https://www.youtube.com/watch?v=nsEkKIiOz7Q** C_2H_5OH

	 ***HW= Read Ch 7 and take general notes, finish lab.**	
Thurs 3.5	**Turn in LAB!** **NOTES: UCM review and GRAVITATION** ***HW-Problems #'s:3,6, 7-23** **Show explanations/work on that packet!**	**PRESENT EQUATIONS!!** **NOTES: Da MOLE** **Finish both sides of page for homework!!!**
Friday 3.6	**Mid-term EXAM POSTPONED** **https://www.youtube.com/watch?v=iQOHRKKNNLQ** **Classwork was phys test 1-18** ***HW= #55-70 show work, equations and reasoning.**	**Mid-term EXAM POSTPONED** ***HW= Complete ENTIRE packet, odds only. Midterm will be MONDAY**



Warm up activities!

Monday 3.2.20-

https://evansccca.weebly.com/

PHYZ Warm up: TURN OFF cell phone and put in the bin ☺ Draw a picture of any physics problem.	**CHEM Warm up: Turn OFF your cell phone and put in bin** ☺ Draw a picture of any chemistry problem.

Tuesday 3.3.20-

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PHYZ Warm up: TURN OFF cell phone and put in the bin	**CHEM Warm up: Turn OFF your cell phone and put in bin** ☺ Make a VENN

☺ SHOW work to do quiz corrections here! (or on back)	diagram for ionic vs. covalent compounds.

Wednesday 3.4.20-

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PHYZ Warm up: TURN OFF cell phone and put in the bin ☺ Use this space to explain why a truck has more momentum than a car. Draw picture.	**CHEM Warm up:** **Turn OFF your cell phone and put in bin** ☺ Use this space to make quiz corrections. If you got 100%, say so here.

Thursday 3.5.20-

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PHYZ Warm up: TURN OFF cell phone and put in the bin ☺ **Sketch a diagram of the Earth-moon system and explain how the moon has UCM.** **What keeps the moon up?**	**CHEM Warm up:** **Turn OFF your cell phone and put in bin** ☺ What can you buy in the following units? -Dozen -Gross -Ream -Pair

Friday 3.6.20-

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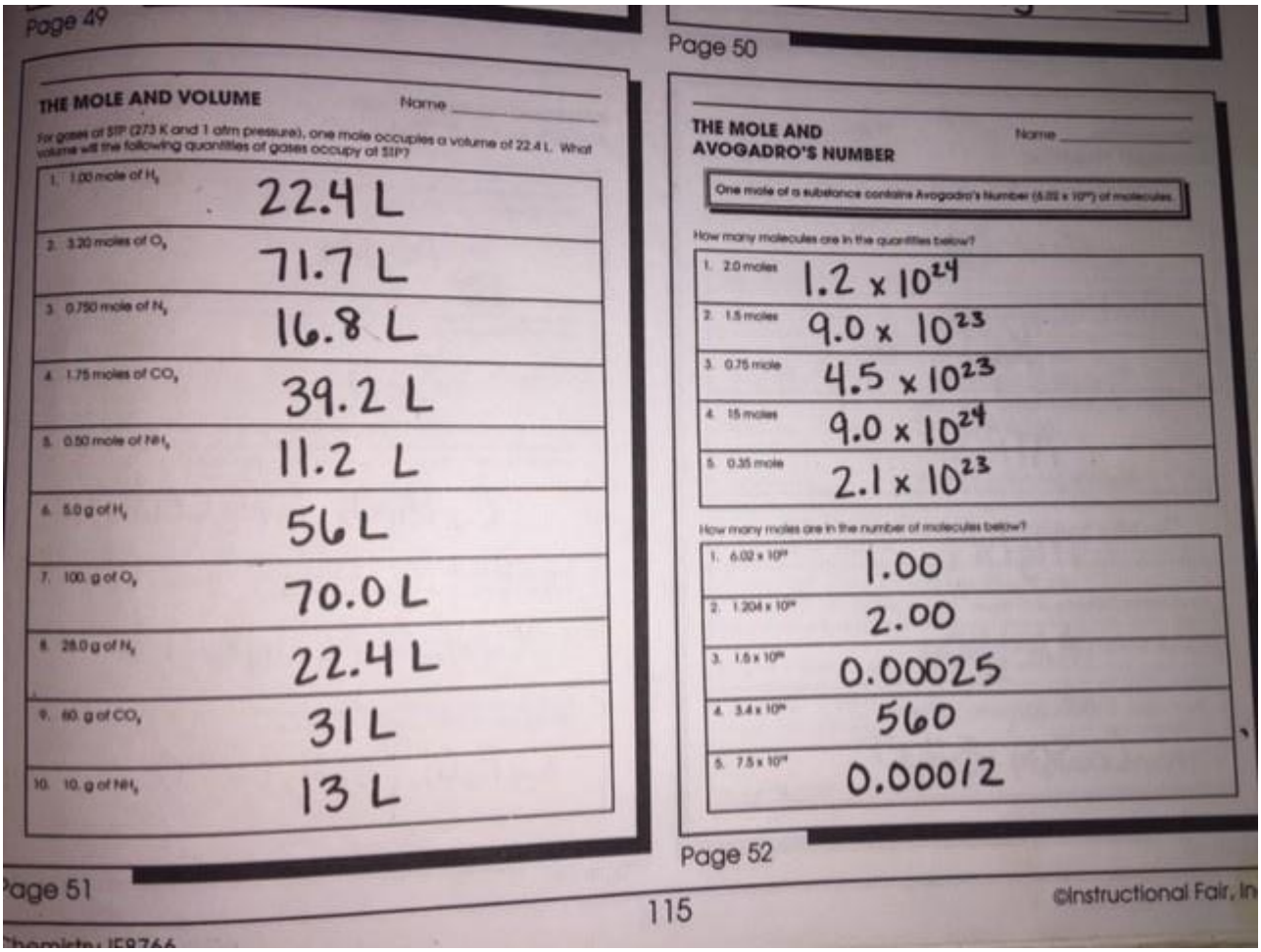
PHYZ Warm up: TURN OFF cell phone and put in the bin ☺ Make a list of all the topics we have learned this 3rd nine weeks.	**CHEM Warm up:** **Turn OFF your cell phone and put in bin** ☺ Make a list of all the topics we have learned this 3rd nine weeks.



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THE MOLE AND VOLUME Name _____

For gases at STP (273 K and 1 atm pressure), one mole occupies a volume of 22.4 L. What volume will the following quantities of gases occupy at STP?

1. 1.00 mole of H_2	22.4 L
2. 3.20 moles of O_2	71.7 L
3. 0.750 mole of N_2	16.8 L
4. 1.75 moles of CO_2	39.2 L
5. 0.50 mole of NH_3	11.2 L
6. 5.0 g of H_2	56 L
7. 100. g of O_2	70.0 L
8. 28.0 g of N_2	22.4 L
9. 60. g of CO_2	31 L
10. 10. g of NH_3	13 L

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THE MOLE AND AVOGADRO'S NUMBER Name _____

One mole of a substance contains Avogadro's Number (6.02×10^{23}) of molecules

How many molecules are in the quantities below?

1. 2.0 moles	1.2×10^{24}
2. 1.5 moles	9.0×10^{23}
3. 0.75 mole	4.5×10^{23}
4. 15 moles	9.0×10^{24}
5. 0.35 mole	2.1×10^{23}

How many moles are in the number of molecules below?

1. 6.02×10^{23}	1.00
2. 1.204×10^{24}	2.00
3. 1.5×10^{19}	0.00025
4. 3.4×10^{26}	560
5. 7.5×10^{18}	0.00012

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Types of reactions LAB #1 NAME_____

Example rxn. observations:

Type of rxn:
Word equation:
Ions involved then skeleton equation (unbalanced):
Balanced equation: