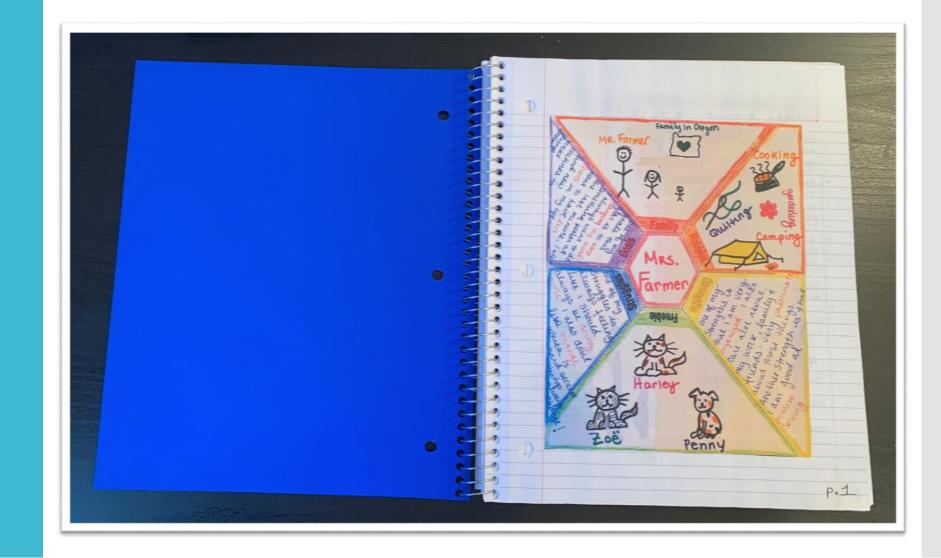
Mrs. Farmer's Example Interactive Notebook Regular Chemistry

Please note

This is just an example of what your notebook should look like. Yours may have different assignments, different notes depends on the year. Please use this as a general guide only. Read the reference sheets in Interactive Notebook for more specifics

All About Me Page 1



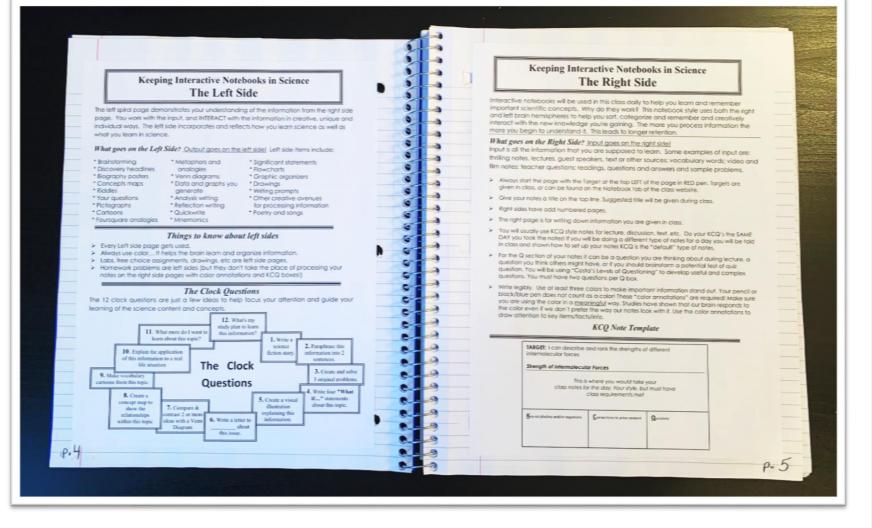
Safety Work Page 2

Common Lab Equipment Page 3

Safety Contract e Video Notes		Common Laboratory Equipment Safety Splash Goggies Beaker Erkenneyer Flask Graduated Distilled Water
· Safety Contract · niver work alone · no esting	9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Test Tubes Volumetric Each Carl International Control
 use fune hood dont dump things down the drain Chi away from your body Always wear goggles! no contact lenses 	000	Pipete Policeman
 "Code one! Code one!" if someone is hurt eye wash 20 min never put extra chemicals basic add acid to water 	000	Burnen Burner
· tie hair up	0000	Flint Striker Ring Stand Iron Support Ring Wire Gause with Crucible with Lid
- no eating, working alone	0000	Test Tube Rack Test Tube Brush Rubber Stoppers Glass Watch Glass Morter and Peste
0-4 yellow react. piperte MSDS - material safety data sheet		Filter Flask Buchner Funnel Aspirator for Sink Glass Funnel Evaporating Dish
pour-commit! Dilution.		Volumetric Pipette Bulb Forceps Burette Clamp Burette
p.2		
		P.3

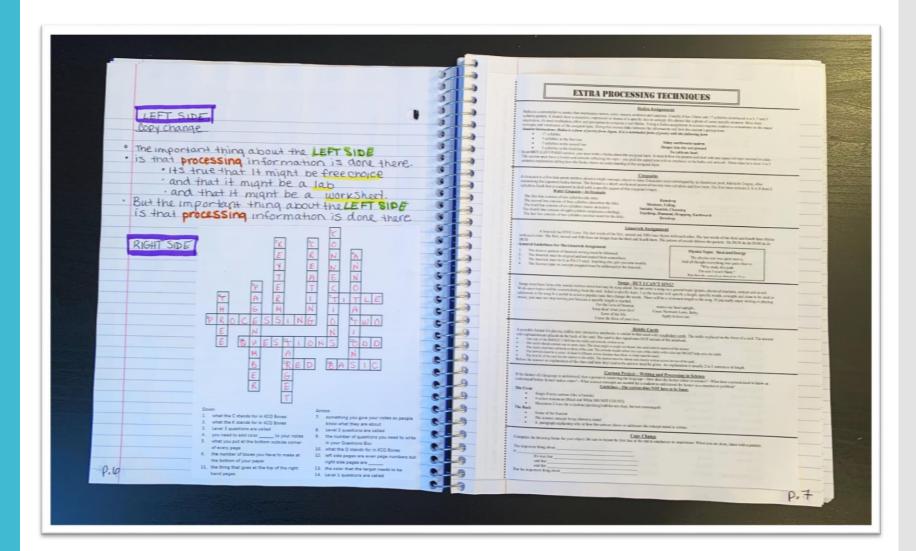
The Left Side Page 4

The Right Side Page 5



Free Choice Processing Page 6

Processing Techniques Page 7



Some Pages are "Flippies" – you can glue just the edge down and then can flip to see the back side.

LEFT SIDE Copy Change	Exercise Description Bit State Description St	
 The important thing about is that processing information information is the structure that it might is and that it might is and that it might But the important thing 	Lotter field fill Compared and any of the fillenge of the second secon	
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		P.7

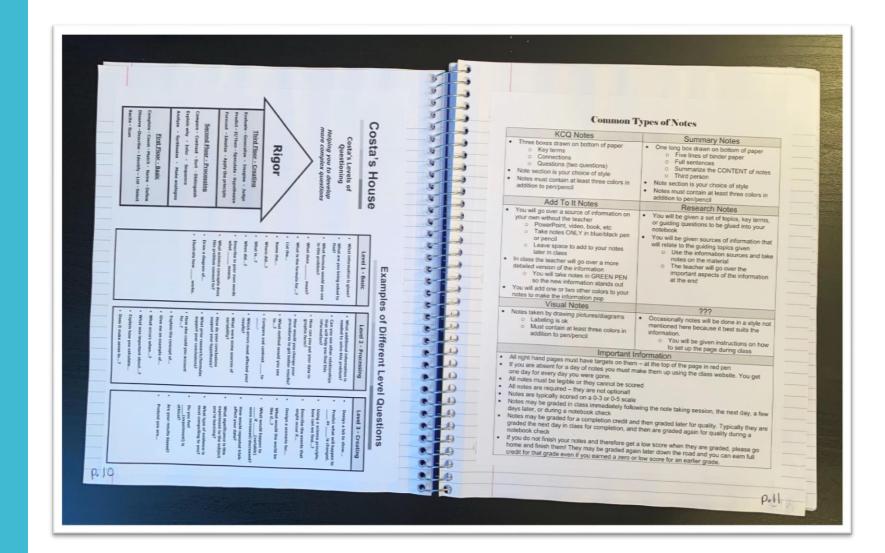
Notebook Requirements Page 8

Example Rubrics Page 9

	OVERVIEW OF INTERACTIVE NOTEBOOK REQUIREMENTS	· · · · ·	EXAMPLE SCO	DRING RUBRICS
			These rubrics will give uses an idea of	essignments will be graded (such as fold-ups, diagrams, or 5 points, but the general categories will holder of
_	General	- 6	notes, worksheets etc). Not all assiminants will be	essignments will be graded (such as fold-ups, diagrams, or 5 points, but the general categories will hold true for t in a "WOW product." You will not error not
	Your name and class period is clearly visible on the front of your notebook		assignments. In order to earn full points you must tun meeting the requirements, you must exceed the require	or 5 points, but the general categories will hold true for
	Dente in the second in the second of the second of your notebook			
	Page numbers CLEARLY marked in bottom outside comers of all pages		Disite Ac	ove and beyond?"
	Your handwriting is legible enough that Mis. Farmer can tell what you are writing		THREE POINT SCORING RUBRIC	
	The pockets of your notebook are empty except for allowed materials		3 Points - (a WOW product)	FIVE POINT SCORING RUBRIC
	The second decimply except for allowed materials	6	all of the requirements are evident and	\$ Points - (a WOW product)
	Your bookmark is placed on the page Mrs. Farmer asks it to be an		The conduction of the second sec	all of the requirements are evident and EXCEEDED
	You have been nice to your natebook! It isn't beat up, tom, arumpled, etc.		 the product shows Lotter at 	
	Each page can/will be annual when a the		colorfully #ustrated	 the product thread only on the second se second second sec
	Each page can/will be graded using the 0-3 or 0-5 grading rubric. Don't forget -Above and beyond!	6	Completed on time	colorfully Eustrated Completed on time
		6-3	2 Points (What is EXPECTED)	contracted on time
	Right Side Pages			4 Points - (What is EXPECTED)
	I target is in red pen at the very top of every right side page		 the product is nearly done and organized the product shows tome creating organized 	
	Each set of notes has a descriptive title	-	Buttrated	the product is neatly done and well organia the product shows creativity and
			 Completed on time 	Eustratient Colorfully
	Notes are KCQ style when required		1 Point co	Completed on time
	KCQ style notes have excellent key terms, connections and higher level questioning	-	Point - (One or More parts is missing) I ew of the requirements are evident the product is finance.	3 Points (
	The second secon		anti-start daily really done and sent	3 Points - (Almost what is EXPECTED) the requirements are evident (maybe 1 or 2 or missing)
	Notes incorporate "color annotations" using a minimum of three additional colors in a meaningful way that adds to the learning.	e	 the product shows little creativity and few Bustrations 	
		e	Rustrations Completed on time	the product is neatly done and organized the product shows some creativity and is illustrated
	Non KCQ style pages are complete and handouts are completed and glued in all the way	6	consistence on time	Rustrated • completed on time
	Notes are not cramped - you use empty space to help add to the organization and learning.	6 2	0 Points - (Does not meet Standards)	served on time
	Includes effective diagrams and pictures		Unscarable or no product	2 Points - (Sort of What is EXPECTED)
			- Product	 the requirements are evident (maybe 3 or 4 a missing)
	Left Side Pages	· · · · ·		
	Demonstrates extensive left side processive of the	6 0		 the product is done and sort of organized the product shows little creativity and is illustrated
	Demonstrates extensive left side processing of information – it looks like you actually are using your notebook to think and learn)			 Completed on time
		and the		and on sing
	Pages are complete and handouts are completed and glued in all the way	0 1		Point – (Two or More parts is missing) MANY of the second second
	Uses color in a meaningful way throughout processing activities	0.0		MANY of the requirements are NOT PRESENT the product is VERY POOPLY at
	Includes effective diagrams and pictures			
	Uses of semicirly of pressories in			 Itto product at
	Uses a variety of processing techniques when allowed to demonstrate different learning styles			the illustrations IS POORLY DONE • completed on time
	and any second and an			
-			0	Points - (Does not meet Standards)
				Unscorable or no product
3				
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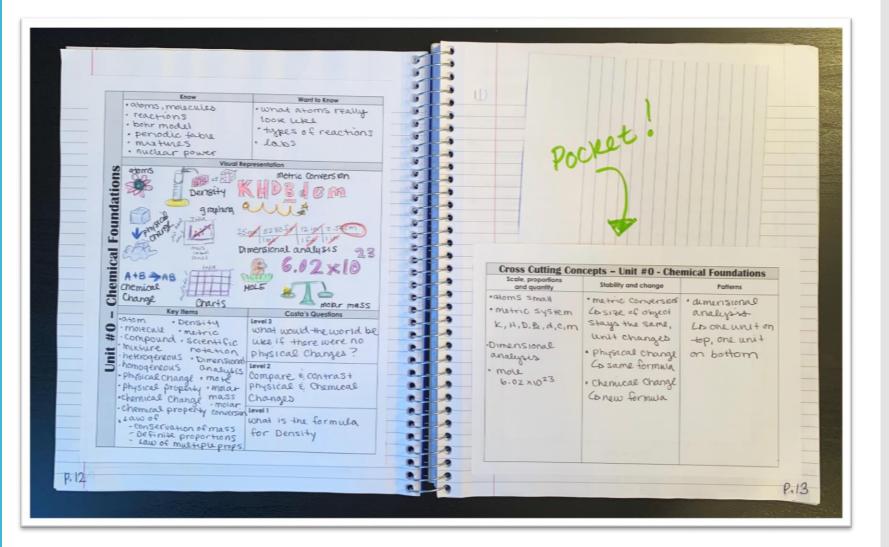
Levels of Questions Page 10

Types of Notes Page 11



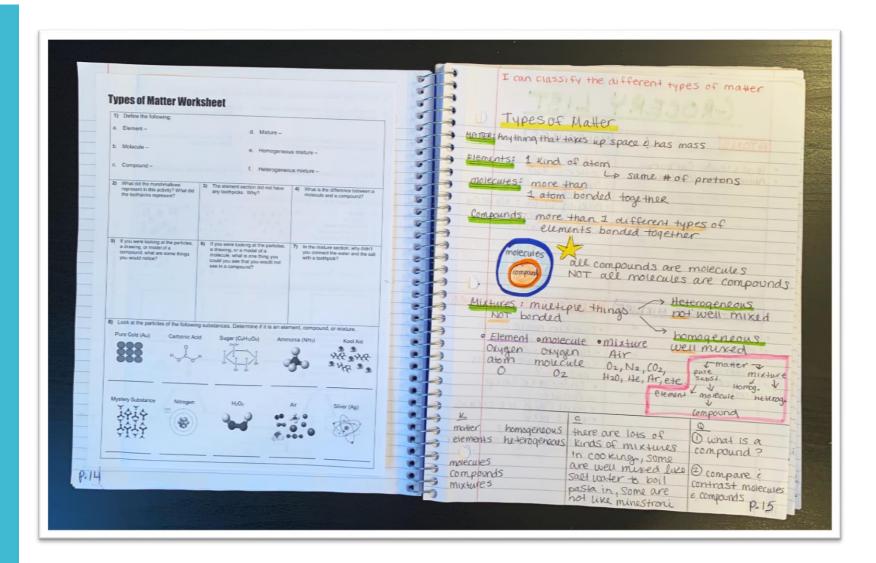
Unit Intro Page Page 12

Cross Cutting Concept Pocket Page 13



Worksheet Page 14

KCQ Notes Page 15

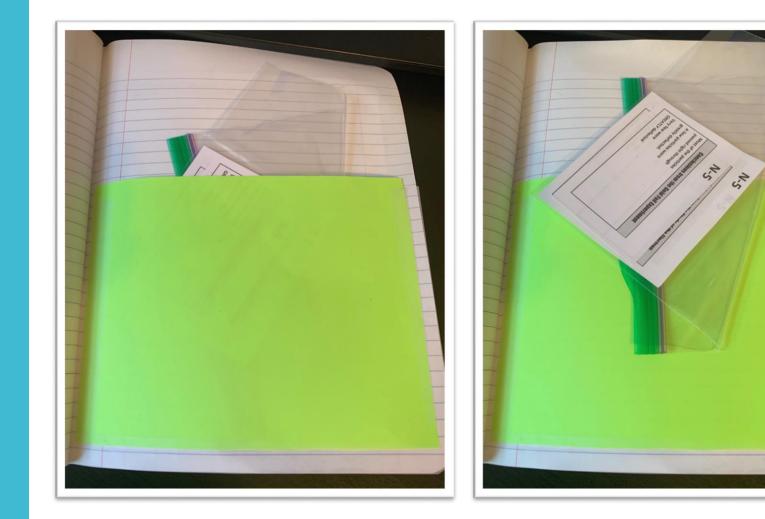


Feel Free to add tabs, bookmarks, etc to your notebook! Make it work for you!



*Yes, I know this is a composition book, this example photo is from my Honors class and they use Composition Notebooks instead of spiral ones. The idea still applies! ©

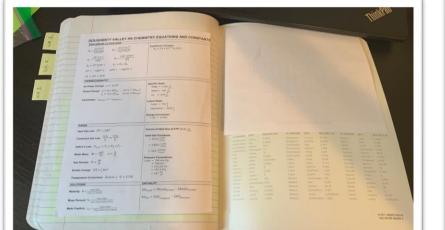
I like to make a pocket in the back to hold a little ziplock bag filled with my **Glue Ins for my** notes. That way I can print them all at once, cut them to size, and not lose them!

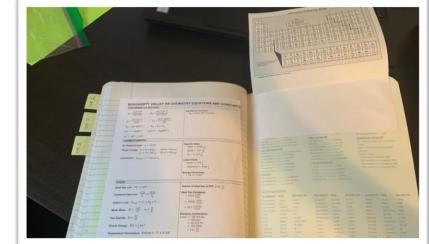


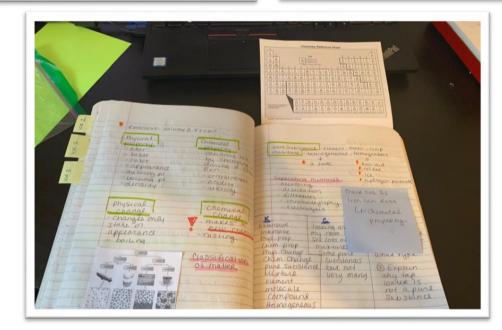
*Yes, I know this is a composition book, this example photo is from my Honors class and they use Composition Notebooks instead of spiral ones. The idea still applies! ©

I like to print a small periodic table (you can shrink it down to 75% in the print menu) and then I glue/tape it onto the back inside cover so it flips out of my notebook! Very handy!

*Yes, I know this is a composition book, this example photo is from my Honors class and they use Composition Notebooks instead of spiral ones. The idea still applies! ©







The next set of slides are just examples of the first few weeks of worksheets and notes. Try to look for the following things.

- Large clear numbering on outside, bottom page corners
- Large clear title for the notes
- Target at the top in RED pen (our brain behaves differently when it sees red!)
- Space left in the notes around important points
 - do not crowd your notes! We have lots of space in our notebooks, use it!
- KCQ Boxes on the bottom
- Practice problems done in the notes
- Color annotations added

The next set of slides are just examples of the first few weeks of warmups and notes. Try to look for the following things.

- Color Annotations adding a minimum of three additional colors to the notes.
- Color Annotations done in a meaningful way I didn't just scribble the background or highlight every word a different color.
- More is not always better!
- Be careful to not focus on "decorating" or "coloring" your notes – you are supposed to be doing color "annotations." Sometimes people have beautiful notes but they spent more time on what they look like than thinking about what the notes say!

The next set of slides are just examples of the first few weeks of warmups and notes. Try to look for the following things.

- KCQ Boxes added to the end of each set of notes
- Make the boxes fit the work that needs to be in them, don't draw the boxes and then squeeze in the information! Use as much space as needed. You can always make little flippies if you need to
- All key terms, not just words that're new to you!
- Connections can be to previous classes, things you saw on TV etc – but they should be specific.
 Don't just write "7th grade"
- Questions two questions, one lower level, one higher level. You do not have to answer them!

GROCER	4 LIST	999	
	C Types 24 Marker	6	
ATOMS	MOLECULES	6	5
• Pencil lead = Carbon • Aluminum foil/cans	 salt = NaCl water = H2O hydrogen = H2O2 peroxide Baking Soda = NaHCO3 Sugar = Ci2H22On Bleach = NaClO 		Juddada.
HOMOGENEOUS MINTIGE	HETEROGENEOUS MIXTURE	0000	rrrr
	HE TEROGENEOUS MIXTURE		-
· Apple juice · milk	· Chicken noodle soup	e	-
· Smart water	· Salad mix	e	-
· Gatoraid	· birthday cake · orange juice with	1	-
· Chicken broth · iced tea	BULP	1	3
	· Chocolate chip Cookie		4
	· mint Chip 100 callan		3
a second to be as an	* trail mix		9
the second second	· lucky charms · Crunchy pean w butter	al.	2
and and and a state of the stat	pearing pearing offer	e L	3
	U-		3
A16		-	\$
La resta resta			-
			,

I can assess my knowledge of different types of matter

Types of Matter and Mixtures - Check your understanding!

<u>True or False?</u> Answer these questions as a group. Check your answers when done. Don't peek at the answers ahead of time! ©

1. ____ Oxygen (O2) is a mixture

2. ____ Air is a molecule.

- 3. An element is made out of only one kind of atom.
- The atoms in a pure element are not bonded together.
- 5. ____ The atoms in a molecule are not bonded together.
- When looking at drawings of a molecule, the "spheres" often represent molecules, & lines or sticks represent the bonds connecting them.
- A molecule could be made of the same atoms or different atoms that are bonded together.
- Ozone (Os) is made of three oxygen atoms and is a compound.
- Water, salt and carbon dioxide are all molecules.
- 10. _____ Water, solt, and carbon diaxide are all compounds.
- 11. NoCl is made out of four different kinds of atoms.
- HsO₂ is mode up of 2 hydrogen atoms and 2 axygen atoms.
- 13. ____ Ammonio (NHs) is a compound.
- 14. _____ A water malecule is in the shape of ______ a triangle.
- 15. <u>A carbon diaxide malecule has a</u> single band.

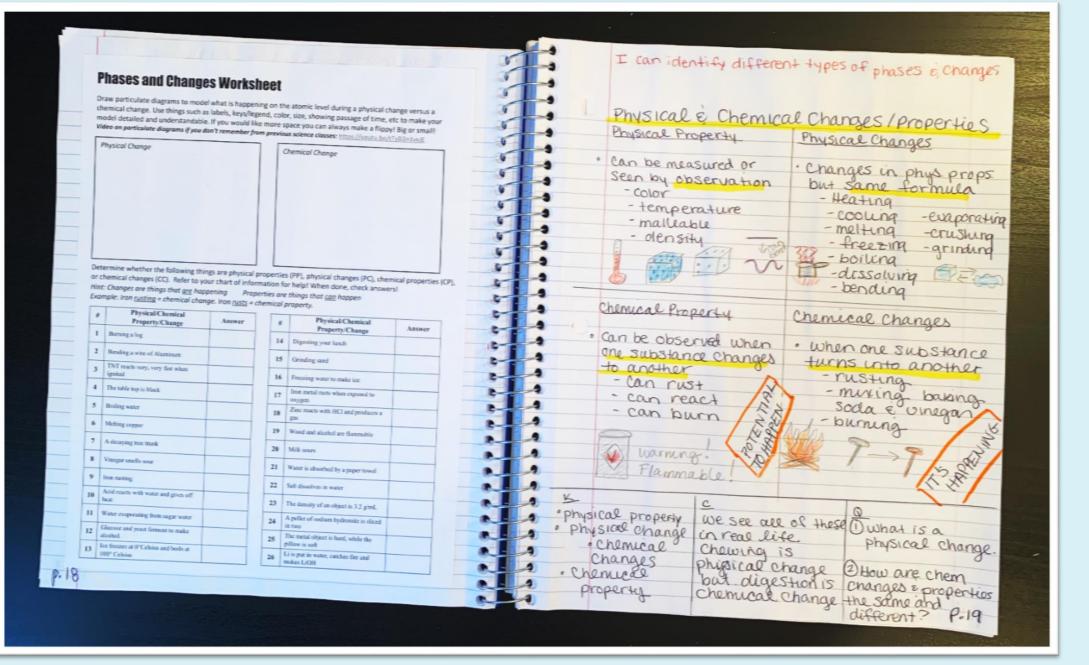
- Bonds are formed when the electrons in the outer shall are shared or transferred.
- Atoms are the building blocks of elements, molecules, compounds, and midures.
- 18. _____ Sodium Chloride, or table salt, is a compound.
- 19. ____ Air is a mixture of many different gas malecules.
- 20.
 Pizza is a heterogeneous mixture.

 21.
 Salt water is a heterogeneous
 - mixture.
- 22. <u>A solution is when one substance</u> discluses in another.
- 23. ____ In Kool Aid, water is the solute.
- 24. _____ in Kool Aid. the sugar is the solute.
- 25. ____ Another word for air is axygen.
- Often when you look at the drawing of a compound, you will notice that there are different colored "spheres" bonded together.
- Tap water has many things dissolved in water. This means that tap water is a homogeneous mixture.
- 28. Solutions are homogeneous

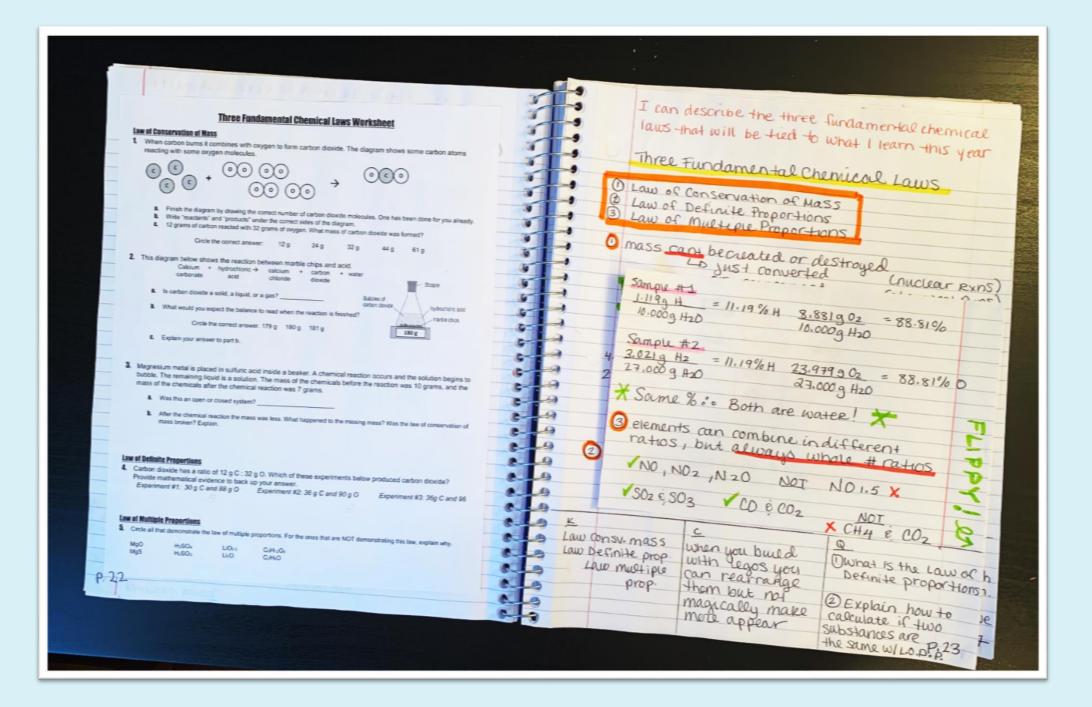
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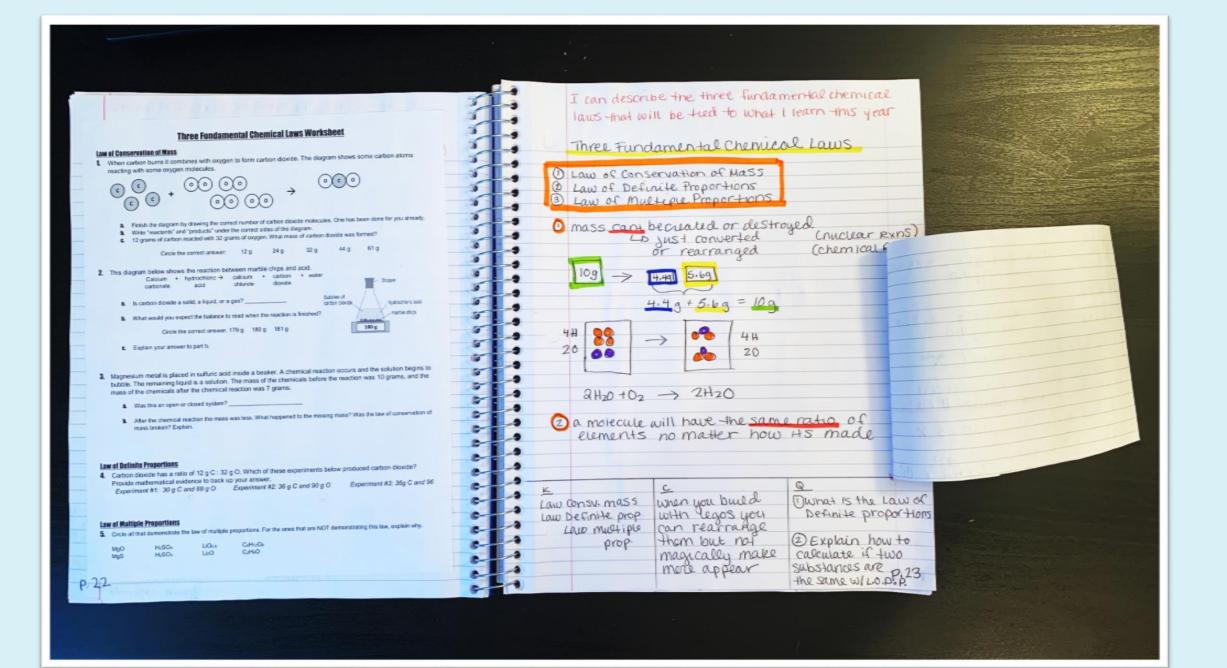
P.17

29. ____ Pure water (H5O) is a compound and a molecule.

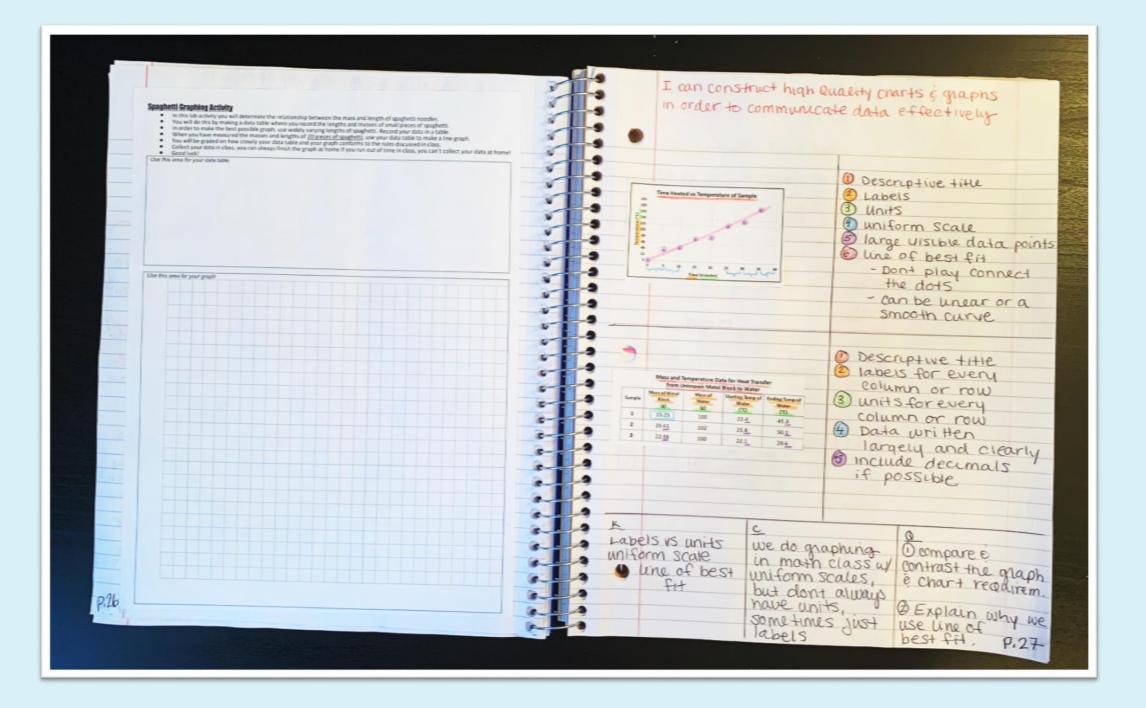


1 1	IS OF a Chemical R	catability and chamicals in the sector							ns of a chemical reaction
2	S YOU THILK RECORD YOUR	vG OTHER THAN IN THE COMBINAL r observations and indicate whether a should all be obvious! If you are unsure	TIONS SHO	WNII			SIGNS C	FA CHEMICA	L REACTION
Ru z		Observations	Run or	II Run - what sign?	Clean up				VISUAL
1	RED A + B Zinc + HCI	Mips.//youhu.be/A4X/TC225u8	No tage	waren belante.	Rinse down the drain with lots of water.		e vo inerm	ture change nic-release nic-absorb	
2	ORANGE C + D Iron + CuSOs	https://youtic.be/OxGpHzxQSI			Paper clip in trash. UIOUD MUST GO IN WASTE JUG UP FRONTI'R Risk test tube with DI water		(2) Light	orm of energy	
3	YELLOW E + F NB(CO) + CaCl	https://youtu.be/kKNipDHVgmg			Rinse down the drain with lots of water.		3 Gas form	ned	3
4	GREEN G + H KCl + Na ₂ CO ₃	No video – two clear liquids mixed together and nothing observable happens.			Rinte down the drain with lots of water.		100 100	uids mix	
5	BLUE I+J HCI+Water "YOU MUST ADD THE ACD TO THE WATER! ADD to J NOT THE OTHER WAY AROUND!"	https://jourlube/M-QMJ-JM65			Ritise down the drain with lots of water.	E	3 Color Cha	nge	
6	PURPLE Snap one of the sticks and shake!	Masiliyoutu belulgNTeBr/hDa			None - Do 'Rock Paper Scissions Lizard Spock' to see who takes glow stick with them ©		a new cou	o to H G	pul_
	Give an example of enp charge	real life experiences that show a Low given of Gas is formed	each of the	e five signs	of a reaction. Color charge				
	Dennes								
		pictogram" that represents each What is a pictogram? <u>https://inyurl</u>	of the five	signs of a r	reaction.	EI	ndothermie	C Al hellesse	Q
		Light guise of Ges is formed	Ряср	tate formed	Color change		exo thermic precipitate	At halloween use glow str whick glow u you crack th	cles that forms when
	TRACK ST					A		eit reacts	side @Designalaba





	1	I can calculat	e the density of objects
The Density of Pennies		•	a country of objects
The composition of pennies has changed over time. According to the U.S. Mint,			
Pennies dated 1962-1982: Pennies dated 1982-	ment (S)		
Composition: 95% copper, 5% zinc Composition: 97.5% z	nr. 25% cooper		
Density of pre-1982 penny = <u>8.87 p/mk</u> Density of post-1982 PURPOSE: The purpose of this lab is to determine the densities of pre-1982 and po	enny = 7.19 g/mL	Density	
ESQUIPMENT and MATERIALS: Electronic Balance, Pennies (10 pre-1982 and 10 nos	1982 pennies.		
CONTRACTOR OF THE OWNER OWNER OF THE OWNER		How much "Stu	492
Weigh 10 PRE-1982 pennies. <u>Record this mass.</u> If up w	date in class, waich vides and use it to do this sheet.	Crammad in	1111100 011111
Fill a graduated cylinder with 50 mL of water.		· Crammed into	per alom 3
 Tilt the cylinder and <u>gently</u> slide all ten pennies into the water. Read the volume of the water and the pennies together. <u>Record this volume</u> 		how much spo	ver volume Kg1L
Calculate the volume of the pennies alone by subtracting E0 =1 from the set			tototice NJIE
	e realing of the water level.	D= m mass	etc
Use the recorded mass and volume of the pennies to calculate density.	6	V Volu	
Use the accepted values for density, provided by the U.S. Mint, to <u>calculate</u> Repeat steps 1-7 with ten POST-1982 pennies.	your percent error for density.	9 00100	ne Icm ³ =ImL
UBSCRVATIONS/DATA:		1 · · · W22	IN IT
PRE-1982 Pennies Mass of 10	POST-1982 Pennies	· · · · · · · · · · · · · · · · · · ·	Density of H20
Mass of 10	5	Eine	more .
Volume of Volume of		more dense	dense 19/mi 19/cm3
pennies + water pennies + water			Juli Juli
(Volume of pennies + water) (Volume of pennies + water)		Air pressure	Layers of earth
- 50 mL of water - 50 mL of water CALCULATIONS: (SHOW ALL WORK!!! BOK YOUR FINAL ANSWERS!!!)	6	in pressure	index son tarth
	the density of POST-1982 pennies		mimorize!
CHILDRO CHILDRO	ene venany en PGST-1382 pennies	als als	(((O))) Volcanos
		229	tectonic
Principle and a standard and a			3/1
Calculate the % error for the density of PRE-1982 pennies Calculate the %	rror for the density of POST-1982 pennies	D=6.73g/mL	3 D=1.453/mL 14 plater
	0	V-SCINS=SML	m= 15,29 (1) D= ?
	C	m=?	
POST-LAB QUESTIONS		D=m/V	111-45.89
Question – Answer in full detailed answ	insi internet	6.73 g = m	4 12 0 0 0 0
What are three possible sources of error in this lab?		mL 8mL	V = 724
1		INC DINL	V= 10.48mL D= 45.8/234
	8	m = 53.84g	
How would each source of error affect your calculated density? Make it too big math	or too small? WHY? Think about the		= 0.196 9/cm ³
math		K C	
2		Density lots a	Q Q
	5		of examples on Deouation for
How could the existing procedures be modified to yield a more accurate result?	6-1-	usi Ti	LUKE ISTADAS DODSILUZ
a	6-1-	term	ing from Quinat is man
		Volca	nos when if pensity = 0 800
		tecto	H DEIISI +V = 0.89/3
A CALIFIC DATA LINE	C.L.	Colu	Mich Volume 2
CHANGERS BOULD	(elle	Ulu	25 mL ?
			P.25



Long For The Section of the Section	EL.	
		I can perform metric conversions and use
		Scientific notation
		Contraction
Page 28		
CONVERTING AND		Metric & Sci. Notation
SCIENTIFIC NOTATION Show work on notebook paper?		
Convert		We all need the same math language
1) 1000mg ⊅g 5) 80 m ≯ m 2) 1L ≯ mL ⊕ 35 mL ≯ L		
3) 164cm → mm 7) 5.6m → cm 4) 144m → m 8) 65 g → mg		It's easier
Сатрате using <, >, or = 9) 7g - ? Ойнад	-	-> Base ten
		Base units Just move the
12) 3.6 m 7 36cm Write the abbreviation for each metric		moter second allowing a
unit and teil if it measures mass, length, privalume		citer Kelvin
D) deigram 14) militiar	-	gram Mole King Henry Died
15 nder 16) documeter		by
Write in scientific rotation: 17) 12		Page 29 drinking chocolate mille
10 0.25500 19 0.00000055		
Write is standard existing	1000 Rec	
20) 1.36 x 10 ⁴ 20) 4.5 x 10 ⁴		
22) 271 x 10 ⁻⁷ What is wrong with the following #w?	Di attactione de la constantione	the lat
239 0.54 a 10° 	Pieto S Inter	Kit Can be then KHD Bd cm a isna
Why does this not make sense? Look at the manher improved	C	
29) The dament of a particular storn is 13 x 10 ⁴ cm.	8	1500 mi
Safe the following word and the	8-1-9 3+54x	(10 ²) (7) 38 ₁ H ² (3) 1 0 = 10
all Alashrada, the people are	C	$E_{\text{convertinue}} Set Set (4) / (0 \times 10^{\circ} = 1.0) (3) 5 / (11)$
27) 0 2000G is the work institution of the station	2 2 1	the to x 10 minute way $ \theta _{95}$
20) A prior weight (271 x 10 ⁻⁷ km s	2 2	FILLARS D 2000 905 KIDS
testion weighs 1.75 x 10 ⁻¹⁰ kg, and an electron weighs 9.11 x 10 ⁻¹⁰ kg.	2	- 25000 (12) 0 0 0
When the hearingt particle's mass in standard neutrone, Male same you dira't former, bulker same you		
don't forget to look at the report in addition to the number incelf	CLO K	C 2.5×10
	Metric	
	scien+	itic notation suchas in organ O Pretix for coning
0		ase units cooking the or Ar
	ph	efix Cups, tsp etc 0.00045
P.28		CAPS, ISP ETC 0:000115
		Scale can also notatic
		do grams é Kg
		P.29