Goog	e

Q	how to stop students from cheating on $ imes otin otin otin ot$									
Q	how to stop students from cheating on google forms									
Q	how to stop students from cheating on online exams									
Q	how to prevent students from cheating online									
Q	how to prevent students from cheating online courses									
Q	how to stop students cheating online									
Q	how to prevent students from cheating on online tests									
Q	how to prevent students from cheating in exams									
Q	how teachers	can prevent stude	nts from cheating on	exams						
		Google Search	I'm Feeling Lucky							
			Repo	ort inappropriat	e predio	ctions				

Dr. Jon French Syracuse University Department of Chemistry

Syracuse University College of Arts & Sciences - Chemistry

- Talk about Academic Honesty with your class
- Have an Academic Honesty pledge
- Start the exam with a statement on academic honesty
- Define was <u>is</u> and what <u>is NOT</u> acceptable
 - Open notes
 - Open book
 - No outside websites
- Set a time limit scheduled well in advance

• Add in more "low stake" assessments

CHE 106 pre-2017

80% exams (4, 20% each) 20% homework

CHE 106 Today

50% exams (4 exams, 12.5% each) 20% homework (pre/post) 10% weekly recitation problem set (10 problem sets, 1% each) 10% practice exams (4, 2.5% each) 5% class participation 5% discussion board participation

• Base questions on in class experiences/discussions/demonstrations

Impact of Acid Rain in NY



Granite (SiO₂) is the predominant bedrock in the Adirondacks. Limestone (CaCO₃) is the predominant bedrock in CNY The solution is added to the granite sample and remains acidic because the granite is unable to buffer against the acid





Acid rain is then added to both bedrock samples. The solution contains bromothymol blue, a pH indicator that is **yellow in acidic** conditions and **blue**

$CaCO_3(s) \rightarrow Ca^{2+}(aq) + CO_3^{2-}(aq)$

$\text{CO}_3^{2-}(\text{aq}) + \text{H}^+(\text{aq}) \rightarrow \text{HCO}_3^-(\text{aq})$

The solution is added to the limestone sample and the acid is neutralized as is indicated by the change of the solution color from yellow to blue. This change occurs because limestone ionizes into calcium and carbonate. Carbonate (CO_3^{2-}) is able to react with and neutralize the acid





Syracuse University

			Crea	te Formula Q	uestion	
le:	HQ5	5.19				
efine For	mula & Va	riables				
uestion:		silver is 0.235 [m		ot C}[/math]. Note	ver when it cools from °C to < e, "heat liberated" implies that th	
efine variat	bles by surr	ounding them in br	ackets (eg. <x>)</x>			Attach Image
Inswer For	mula:	((<a> * 0.235 * (<	:c> -)) / 1000) *	-1		
		ula: <a>,,<c></c>			Operati	ons supported: + - * / ^ () log l
ariables for Define vari		uua. ~a~,~b~,~c~				, , , ,
Define vari	ables e answers t		er of significant fig	ures Beta	Significant Figures:	3
Define vari Require Set a min a	ables e answers t nd max ra	to a given numbe nge for your varia	er of significant fig ables			
Pefine vari Require Set a min a a	ables e answers t nd max ra Min:	to a given numbe nge for your varia 245	er of significant fig ables Max:	260	Significant Figures:	3

щ НQ5.19	Edit	Export	Delete
(i) Respond with the correct number of significant figures in scientific notation (Use E notation and only 1 digit before	decimal	e.g. 2.5E5 fo	r 2.5 x 10⁵)
Example Question How much heat is liberated (in kJ) from 2.45E2 g of silver when it cools from 9.000E1 °C to 2. capacity of silver is $0.235 \frac{J}{g \cdot C}$. Note, "heat liberated" implies that the change in heat is neg number.			

- Formula questions with defined variables
- Creates different variables each time the question is generated

- Don't use publisher provided test banks!
- Hack to creating multiple versions of questions w/ excel

$\times \checkmark f_x$									
A	В	С	D	E	F	G	Н	I	J
	Reagent	grams	moles	mole product	mass product	wrong moles	wrong conversion 1	wrong conversion 2	wrong mass
	C2H2	51	1.96	3.92	172.39	86.37	43.10	344.78	101.92
	C2H2	38	1.46	2.92	128.45	64.35	32.11	256.89	75.94
	C2H2	62	2.38	4.76	209.57	105.00	52.39	419.14	123.90
	C2H2	43	1.65	3.30	145.35	72.82	36.34	290.70	85.93
	C2H3	17	0.65	1.31	57.46	28.79	14.37	114.93	33.97

Problem Sets

• Fun and easy to grade problem sets





Problem Sets

• Flippity.net – free, google forms for different activities

	World Capitals	The Simpsons	Movies	En español	Bees	Potpourri
Team 1 0	100	100	100	100	100	100
Team 2 0	200	200	200	200	200	200
Team 3 O Team 4	300	300	300	300	300	300
0	400	400	400	400	400	400
	500	500	500	500	500	500
$\oplus \ominus$			1	2		¢



"Chemistry in My Life"

 1-page infographic diving into the chemistry of something from your life, hobby, major, etc.



already undergone lipolysis, in which the enzyme lipase

breaks down the fat globules, it can create rancid taste

- Change your mode of assessment
- "Chemistry in the News"
- 2-3 page essay on a current science article
- Limit the source of the article