

IMPLEMENTING SELF-PACED LEARNING THROUGH A FLIPPED CLASSROOM MODEL

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Jack Diffley

WHY? – SCIENCE

- Diverse learning needs
- Student centered classroom
- Adaptable
- Time

WHY? - LANGUAGE

- More class time
 - Instruction in target language
- Meet needs of new generation of students

HOW? - SCIENCE

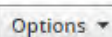
- Schoology
- Videos
- POGILs
- Laboratories
- Stations



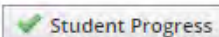
Unit 07: Stoichiometry



Add Materials ▾



Options ▾



Student Progress



3.1 Slideshow 862 KB

3 sections



3.1 Worksheet (% Composition)

- (1) Complete the assignment. Must show ALL work for full credit.
- (2) Submit picture(s) of completed assignment.

3 sections · Due Tuesday, February 20, 2018 at 9:15 am and 2 other dates



Percent Composition Gum Lab

- (1) Complete data table and calculations.
- (2) Hand in completed assignment.

3 sections · Due Wednesday, February 21, 2018 at 8:00 am and 1 other date



3.2 Slideshow 630 KB

3 sections



3.2 Worksheet ODDS

- (1) Complete the assignment. Must use dimensional analysis and show ALL work for full credit.
- (2) Submit picture(s) of completed assignment.

3 sections · Due Thursday, February 22, 2018 at 1:15 pm and 2 other dates



3.3 Slideshow 1 MB

3 sections



3.3 Worksheet ODDS

- (1) Complete the assignment. Must use dimensional analysis and show ALL work for full credit.
- (2) Submit picture(s) of completed assignment.

3 sections · Due Monday, February 26, 2018 at 10:00 am and 2 other dates



3.4 Slideshow 1 MB

3 sections



3.6 Worksheet

Must Complete · 3 sections



3.6 Worksheet



3.6 Worksheet ANSWERS



7f Reviewsheet

Must Complete · 3 sections



7f Reviewsheet



7f Reviewsheet ANSWERS



ch8 zumdahl study guide 17.18.pdf 505 KB

3 sections



ch9 zumdahl study guide 17.18.pdf 544 KB

3 sections



Intro Stoichiometry Study Guide 17.18.pdf 13 KB

3 sections



07 what to study 17.18.pdf 24 KB

3 sections



Mole Road Map Graphic 79 KB

3 sections



Unit 07 Test (Stoichiometry)

3 sections · Due Monday, March 26, 2018 and 1 other date



Unit 7 Test Self Evaluation

- (1) Complete the assignment.
- (2) Submit picture(s) of completed assignment.
- (3) Hand in completed assignment.

3 sections · Due Wednesday, April 4, 2018 at 9:15 am and 2 other dates



Unit 7 Test Corrections

- 1) Complete on a separate sheet of paper to be handed in. Reminders...

For matching... 1) term 2) definition 3) provide example

For multiple choice... show ALL work and box new final answer



HIDE QUESTION

What is the main concept used to balance a chemical equation?

- ☐ All ions must be the same
- ☐ The number of each type of atom must be the same on both sides of the arrow
- ☐ Only the number of hydrogens must be the same on both sides of the equation
- ☐ Only the number of carbons must be the same on both sides of arrow

SUBMIT

ok so now that we visually balance the

7 TIPS TO SUCCEED WITH BIG DATA

GET THE WHITEPAPER

HOW? - LANGUAGE

- Tackling Grammar Concepts
 - Video Lessons
 - Group Work
- Mastery of Vocabulary
 - Students receive a list of 40-50 new terms that they must practice and master on own time
 - On Schoology there are 3 levels of vocabulary mastery quizzes that students must complete by a certain date



Search

Future Time



Future Time in German

13 views

Like 1 Dislike 0 Share



Jack Diffley

Published on Feb 21, 2018

ANALYTICS

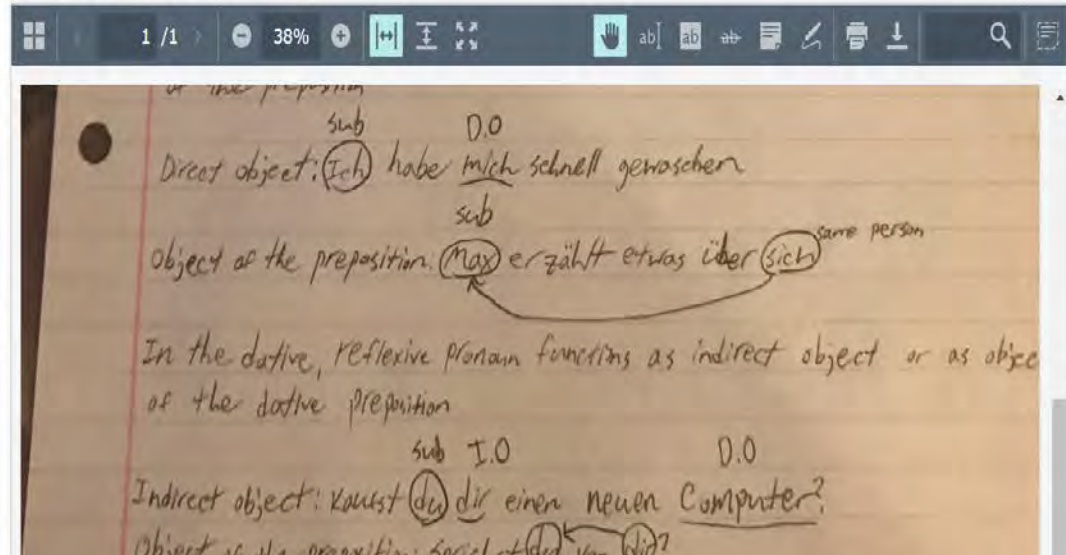
EDIT VIDEO

Up next



image-6C1A9.png

Tuesday, May 1, 2018 at 12:22 am On time



German II: Russia Unit 4: Kapitel 8 Hausaufgaben

Ordinals & Dates

Questions Settings Preview Results Comments

Questions 1-6 of 6 | Page 1 of 1

Question 1 (1 point)

An ordinal number indicates the position of something in a sequence.

- ☐ True
☐ False

Question 2 (1 point)

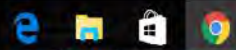
In German, the ordinal numbers are formed by adding -th to the numbers 1-19.

- ☐ True
☐ False

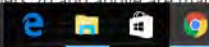
Question 3 (1 point)

In German, the numbers 20 and above are made into ordinals by adding -st to the numbers

Search the web and Windows



Search the web and Windows



2:48 PM
7/1/2018

Faculty & Staff - Delbarton x Kapitel 9 Mastery Quiz 1 x Australia Conference - G x Classical Goes Pop R x

Secure | https://delbarton.schoolology.com/assignment/1565487375/assessment_questions

DELBARTON SCHOOL Home Courses Groups Resources Jack Diffley

German II: Russia ▶ Unit 5: Kapitel 9 ▶ Vocab Quizzes
Vokabeln Liste 1 auf Seite 329

Kapitel 9 Mastery Quiz 1

Questions Settings Preview Results Comments

+ Add Question Options

1-20 Random Question Set
20 of 68 questions - 1 pt each - 20 total pts

Course Options

Materials

- Updates 1
- Gradebook
- Grade Setup
- Mastery
- Badges
- Attendance
- Members
- Analytics
- Workload Planning
- Gale Literature Resour...

Search the web and Windows

Faculty & Staff - Delbarton x Kapitel 9 Mastery Quiz 1 x Australia Conference - G x Classical Goes Pop R x

Secure | https://delbarton.schoolology.com/assignment/1565487375/assessment_preview

Blank 1:

Question 6 (1 point)

fürchterlich _____

Blank 1:

Question 7 (1 point)

die Sonnenbrille, -n _____

Blank 1:

Question 8 (1 point)

der Hintern _____

Blank 1:

Time left for this assessment:
9:55

RESULTS - SCIENCE

- Higher assessment scores
- Better course grades
- Greater retention of material
- Students take more responsibility for their own learning
- Lessons can be more fluid (scientific)
- Self-directed learners
- Lower learners get more one-on-one time with me
- Higher learners help others (better retention) and move more quickly
- Absences
- More material covered

RESULTS - LANGUAGE

- Main goal of all language courses is for all students to become effective communicators in target language
- Flipped and self-pacing has pushed students to master and utilize new grammar concepts and vocabulary
- Greater retention of vocabulary and material
- Students began to ask the “right” questions more often
- Students progressed more quickly and was able to cover more material
- Weakest students improved the most
- Stronger students more focused and able to progress at own pace
- Improved test & quiz scores

RESOURCES - SCIENCE

- Learning platform
 - Schoology, Edmodo, Google classroom
- Video production
 - Explain Everything, Screencast-O-Matic, Powtoon
- Video hosting
 - Vimeo, YouTube
- Video streaming
 - PlayPosit, EdPuzzle
- Classroom management
 - Classcraft, ClassDojo
- Review games
 - Quizlet, Kahoot!, PlayMada
- Grading
 - Kaizena

EARN POINTS FOR HOMEWORK AND ASSIGNMENTS!

academic achievements and encourage students to turn in their work on time!

UPGRADE

CRAFT AP Chemistry (W) ▾



CLASS

SELECT: ALL / NONE

ALL CHARACTERS ▾



	APPLY TO	ABSENT	CLASS	LEVEL	HP	AP	XP	GP
		<input type="checkbox"/>	Mage	1	<div><div>25</div><div>30</div></div>	<div><div>50</div><div>50</div></div>	<div><div>135</div><div>275</div></div>	50
		<input type="checkbox"/>	Warrior	1	<div><div>80</div><div>80</div></div>	<div><div>30</div><div>30</div></div>	<div><div>205</div><div>275</div></div>	50
		<input type="checkbox"/>	Healer	1	<div><div>50</div><div>50</div></div>	<div><div>35</div><div>35</div></div>	<div><div>185</div><div>275</div></div>	50
		<input type="checkbox"/>	Warrior	1	<div><div>72</div><div>80</div></div>	<div><div>30</div><div>30</div></div>	<div><div>270</div><div>275</div></div>	50

Class Tools

Use these tools to gamify your lessons. [Find out more](#)



The Wheel of Destiny
Random Student / Team Picker



The Riders of Vay
Random Events



Boss Battles
Formative Review



The White Mountain
Countdown



The Forest Run
Stopwatch



The Makus Valley
Volume Meter



Treasures of Tavuros
Grade Converter

Normal text

Times New...

12

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3. Data and Results:

a. Observation/Data:

Reaction Type:	Before Reaction:	During Reaction:	After Reaction:
Cu and air--synthesis	-Column of shiny copper. Some grey	-Copper got shinier	-Remains as shiny as during reaction and cools down
Ammonia and HCl--synthesis	-Ammonia looks like water -HCl looks like yellow water	-Ammonia and HCl give off gas	-Looks the same as the beginning
Copper(II) carbonate--decomposition	-Copper(II) carbonate looks like greenish/grey sand	-Copper(II) carbonate becomes darker -The burning wood gives off a smell that I cannot describe	-Looks slightly darker
Hydrogen peroxide and Manganese (IV)--decomposition	-Hydrogen peroxide looks like water -Manganese (IV) looks like black ashes	-There is a black fizzle and lots of bubbles (effervescence)	-Looks like black water with some bubbles
Zinc and HCl--single displacement	-HCl looks translucent -Zinc looks like grey rocks	-Effervescence -Grey specks appear - High pitch sound	-Looks the same as during the reaction
Al and CuCl ₂ --single displacement	-Al is tin foil -CuCl ₂ looks like green clumps/sheddings	-Blue water -Tin foil turns into a brown/red color	-Blue water with a brown tint
Zn(C ₂ H ₃ O ₂) ₂ + Na ₃ PO ₄ --double	-Zn(C ₂ H ₃ O ₂) ₂ looks like white crystals	-Zn(C ₂ H ₃ O ₂) ₂ looks like water with salt	-Everything is the same as during the

Kaizena

Open



Jessica McKeever

4 months ago

▶ 0:21



Jessica McKeever

4 months ago

▶ 0:08



Jessica McKeever

4 months ago

▶ 0:24



RESOURCES - LANGUAGE

- Video production: QuickTime, Screencast-o-matic, and Explain Everything
- Video Streaming: YouTube
- Vocabulary Mastery: Schoology & Quizlet

GET STARTED

- Slow process
 - Start by flipped a lesson then a unit
- Trial and error
 - Find what works for you
- Words of advice... Boys do better when YOU make the videos