

May the Fourth be with you.

Learning Target: I can observe organic reactions to better
understand what differentiates one reaction from another.

Homework: Bingo packet 1 due Thursday



Reminder: Organic Chemistry Test pushed to Wednesday

Big Idea: Matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity.





8th period:

- Lab 22: Organic Chemistry Reactions Pre-lab (15 min) 8th/9th period:
- Lab 22: Organic Chemistry Reactions Lab (75 min)
- Exit Tix (5 min)

Tix out the door (Don't forget your name.)



Identify one key characteristic based on the reaction for each organic reaction:

- 1. saponification
- 2. esterification
- 3. polymerization

Tuesday, Cinco de Mayo



<u>Learning Target</u>: I can summarize the key characteristics of organic reactions.

Homework: Bingo packet 1 due Thursday, all assignments due tomorrow

As you enter... (Write down questions and answers)

1. How do functional groups affect the molecules that

they are attached to?

Different molecular structure which produces different properties 2. What are the 7 organic reactions you need to know?

2. What are the 7 organic reactions you need to know?

Esterification Polymenzation Addition

Esterification Saponification Fermentation

Addition - Substitution

Reminders: Organic Chemistry Test tomorrow
Parent Teacher Conferences tonight from 5-7 pm

Big Idea: Matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity.





9th period:

- Finish Lab 22: Organic Reactions Lab (25 min)
- Class Summary of Reaction Types (15 min)
- Exit Tix (5 min)

Tix out the door (Don't forget your name.)

The name of an aldehyde has the ending

- A) -o1
- B) -al
- C) -oate
- D) -oic









Organic Reactions Summary

Organic Reaction	Definition/Purpose of Reaction	Characteristics of Reactants	Characteristics of Products
1. Substitution	Replace H with haloger	hydrocarbon	halide acid (HA)
2. Addition	Break a double, triple bond to add halogen	unsaturated hydrocarbon + halogen	saturated halide
3. Combustion	Burning to produce heat	hydrocarbon + Oxygen	(0, + H, 0
4. Fermentation	Produces alcohol	Sugar (glurose, CLHRQ	91cohol + (Oz
5. Saponification	brognce 200b	fat /oil + base	+ alcohol/glyper
6. Esterification	produces an dehydration synth	organic add	th 0 + ester
7a. Addition Polymerization	Form polymer	Lun Sati anted	Polymer (long chain)
7b. Condensation Polymerization	Forms polymer	monomer w/ a functional group	Polymer + H.O

Wednesday, May 6th



<u>Learning Target</u>: I can apply my knowledge and skills on organic chemistry to test—questions.

Homework: Bingo packet 1 due tomorrow

As you enter... (Write down questions and answers)

Prepare for your test.

You will need reference tables.

Reminders: Sign up to make up Labs (Tues/Thurs from 3-4 pm)

Big Idea: Matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity.





8th/9th period:

- Organic Chemistry Test (60 min)
- Finish all assignments for this unit (30 min)

31 Multiple Choice 9 Constructed Response 80 pts total

Tix out the door (Don't forget your name.)



Reflect...

In 3-4 sentences, describe how prepared you felt to take the test today.

What did you do to prepare? Was it effective? What should you do next time to be better prepared?

Thursday, May 7th



<u>Learning Target</u>: I can recall past topics of chemistry.

Homework: Bingo packet 1 due today

As you enter... (Write down questions and answers)

Take out your bingo packets.

Reminders: Sign up to make up Labs (Tues/Thurs from 3-4 pm)

Big Idea: Matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity.





9th period:

• Pictionary/Taboo Regents Review (45 min)

Tix out the door (Don't forget your name.)



n/a

Friday, May 8th



<u>Learning Target</u>: I can understand how the atomic bomb relates to nuclear chemistry.

Homework: Bingo packet 2 due next Thursday

As you enter... (Write down questions and answers)

Review your test and figure out what questions you have.

Average = 47% :(

Reminders: Sign up to make up Labs (Tues/Thurs from 3-4 pm)

Big Idea: Matter is made up of particles whose properties determine the observable characteristics of matter and its reactivity.





8th period:

• Last Unit!! Nuclear Chemistry (45 min)

oth period:

• Pictionary Taboo Regents Review (45 min)

Kahont

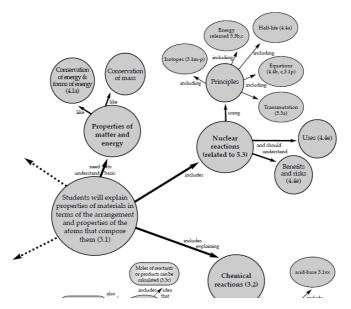
Tix out the door (Don't forget your name.)



n/a

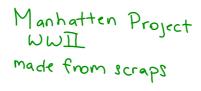


Nuclear Chemistry: subfield of chemistry dealing with radioactivity, nuclear processes, such as nuclear transmutation, and nuclear properties.



Let's start by thinking about the atomic bomb.

What do you know about the atomic bomb?





How do you think the atomic bomb was created?

Do you remember how small an atom really is? We are talking about HUUUUUUGE differences in size here.

Something as small as an atom was able to affect... DEMOLISH... something as large as the island of Japan!!!

But, how!?!?!



Basic Nuclear Chemistry Definitions and Concepts

Intend complex), conplicately to Boson. The number reaction when two model critical at high velocity, and each of section of the sounds to provide the section of the sounds to provide the section of the sounds to the section of the section and section and fitting. The reaction also yields the neutrons and evolution and evolution and evolution of the section of the

Notices Water A movement or a faster rate.

Notices Water A movement or a faster rate.

Notices Water A movement or a faster rate of the control of a motion rate. It is when enough notices definations have taken place to scorch enough of the sam! to researe whitered sood and set that it event will become the specificality within a movement of the sam of the same o

Nuclear Bombs

