



May the Fourth be with you.
Learning Target: I can identify key characteristics of organic reactions to name different reaction types.

Homework: Bingo packet 1 due Thursday



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



Reminder: Organic Chemistry Test pushed to Thursday

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



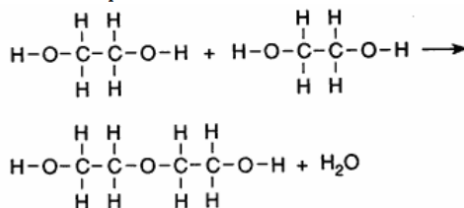
3rd period:

- Organic Reactions Practice Questions... (40 min)
- Accurately answer questions with 80 % and the rest of the period is yours to make up work. Not a social period.
- Exit Tix (5 min)

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



Given the equation:



- ① Which type of reaction is represented?
- condensation polymerization
 - addition polymerization
 - esterification
 - saponification
- ② What key characteristic in the reaction helped you determine the reaction type.

Tuesday, May 5th



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

Homework: Bingo packet 1 due Thursday

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

What are the 7 main types of organic reactions?

Substitution Combustion
Addition *Esterification
*Polymerization *Saponification
Addition condensation Fermentation

Reminder: Organic Chemistry Test pushed to Thursday

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.



3rd period:

- Lab 22: Organic Chemistry Reactions Pre-lab (15 min)

3rd/4th 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

Wednesday, May 6th



Learning Target: I can summarize the key characteristics of organic reactions.

Homework: Bingo packet 1 due tomorrow, 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 functional groups have different chemical & phys. properties

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

Saponification
 - Polymerization
 Esterification
 Addition
 Combustion
 Substitution
 Fermentation

Reminder: Organic Chemistry Test tomorrow

Make Up Labs every Tues/Thurs this month from 3-4 pm

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



3rd period:

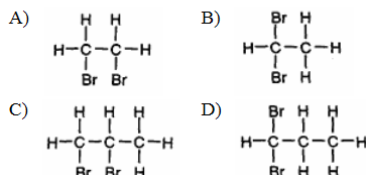
- Class Summary of Reaction Types (15 min)
- Finish Lab 22: Organic Reactions Lab (25 min)
- Exit Tix (5 min)

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

① The name of an aldehyde has the ending

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

② Which structural formula represents 1,1-dibromopropane?



Organic Reactions Summary

Organic Reaction	Definition/Purpose of Reaction	Characteristics of Reactants	Characteristics of Products
1. Substitution	Replace H with Br/Cl/I/F	hydrocarbon + halogen	halide + Acid (HA)
2. Addition	Break double/triple bond to add halogen	unsaturated hydrocarbon + halogen	Saturated halide
3. Combustion	Process of burning that produces heat	hydrocarbon + oxygen	$H_2O + CO_2$
4. Fermentation	production of alcohol	sugar (glucose, $C_6H_{12}O_6$)	alcohol + CO_2
5. Saponification	production of soap	fat/oil + base (NaOH)	soap + alcohol (glycerol)
6. Esterification	production of ester by dehydration synthesis	organic acid + alcohol	ester + H_2O
7a. Addition Polymerization	break down of unsaturated hydrocarbon to produce polymer	unsaturated hydrocarbon	Polymer (long chain)
7b. Condensation Polymerization	Forms polymers by dehydration synthesis	monomer (piece of polymer chain)	Polymer + $\frac{1}{2} H_2O$

Thursday, May 7th



Learning Target: I can apply my knowledge and skills on organic chemistry to test questions.

Homework: Bingo Packet #2 due next Thursday

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

Prepare for your test.

You will need reference tables.

Have your BINGO packet #1 out on your desk to be collected.

Reminders : Make Up Labs every Tues/Thurs this month 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)

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?

Friday, May 8th

Learning Target : I can recall past topics of chemistry.

Homework: Bingo packet 2 due next Thursday

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

We are going to do some regents review today.

- 1. Choose game you want to play: Pictionary or Taboo**
- 2. Sit at the table for the game you chose.**
- 3. Max = 6 people per table (teams of 2 or 3)**
- 4. Read the directions and begin!**

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.

3rd period:

- Pictionary/Taboo Regents Review (45 min)

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

n/a