

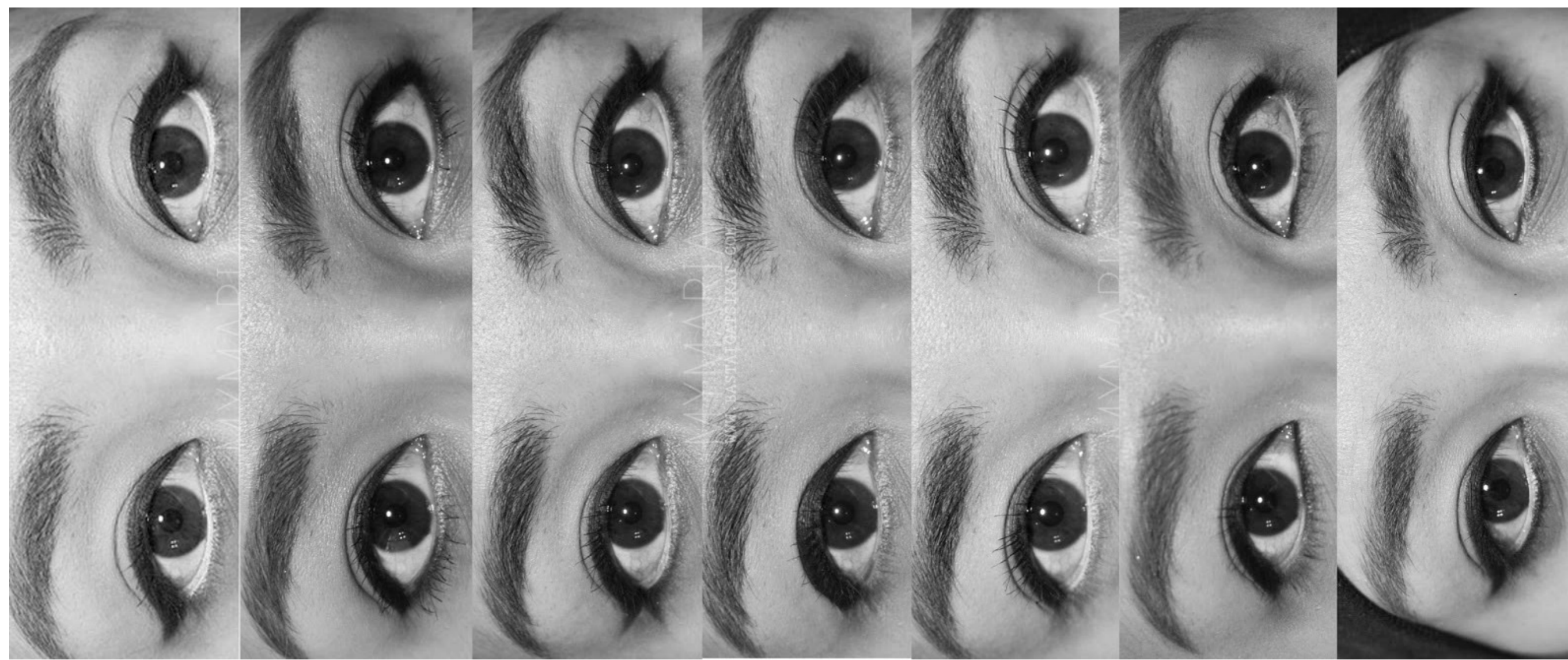
EYELINERS





EYELINER

Eyeliners are used to accentuate the eyes, such as making them look larger and more dramatic. It is a must-need item globally, regardless of the age and gender. Starting from its origin in Egypt, people have developed eyeliner for thousands of years. In modern days, there are eyeliners available in nearly every imaginable colors, glitter varieties, different types, and more.



PURPOSE/QUESTION

‘Which type of eyeliner is most sustainable
in diverse circumstances:

gel eyeliners, pencil eyeliners, or liquid eyeliners?’

BACKGROUND INFORMATION

WHAT IS AN EYELINER?

eye·lin·er /'i:lɪnər/
a cosmetic applied as a line around the eyes to make them appear larger or more noticeable.

Eyeliners are a type of cosmetic used along the rim of the eye, in order to artificially accentuate the eyes much larger. It can be used to enhance the eye color, alter the appearance of the set, size, or shape of the eyes, and create effects from the dramatic to the subtle. Both male and female, from teenagers to seniors, use eyeliners to draw attention to the eyes for diverse purposes. There are four main categories of available eyeliners: liquid, powder-based pencil, wax-based pencil, and kohl. Originally only black eyeliners existed, however, in modern days there are eyeliners available in nearly every imaginable color, including glitter varieties.

Eyeliners are one of the oldest and most popular cosmetics, it is significant in many cultures and operates as the most crucial make up tool to determine one's impression. Many Muslim women throughout the world wear kohl today as a nod to their Middle Eastern ancestors and a symbol of their dedication to the traditions of their culture. The length and usage of eyeliners have been used for expressing the willingness to fight in youth gang culture in California. A choice between liquid and pencil liners regulated one's affiliation with a particular group too. For Japanese, Egyptians, Goth, and any other cultures of the world considered eyeliners pragmatic and must-have item in their traditions.

Before



After

INTERACTIVE 1.1 Brief Information of Each Eyeliners

pencil
The easiest way to apply eyeliner and the way most girls start out using liner is with a pencil. It is quick and does not require a lot of skill to get a smooth clean line.

Pencil Eyeliner
DEPARTMENT STORE

Gel Eyeliner
Eyeliner is a great middle ground between pencil and liquid eyeliner. You can either apply it with an angled or a fine point brush. It is pretty easy as long as you keep a steady hand.

gel liner
DEPARTMENT STORE

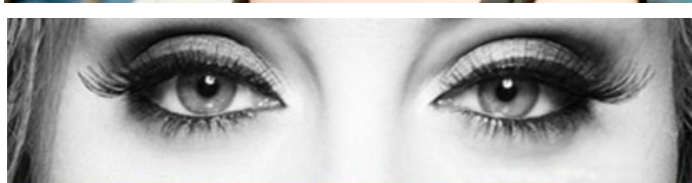
powder
Using a powder is an easy way to create a smokier look. It can also look more natural than the other options. Perfect for your "no makeup" makeup look.

DRUGSTORE

Liquid Eyeliner
Liquid liner is by far the most advanced way of applying. It is great for winged liner. A great way to start out is by choosing liner with a felt tip for quick and smooth application.

liquid
DEPARTMENT STORE

HISTORY OF EYELINER



Eyeliners were first used in Ancient Egypt and Mesopotamia as a dark black line around the eyes over 12,000 years ago - in early 10 BC. Both males and females of high status used eyeliners to better define their eyes and to protect themselves from wrinkles - which could be formed after constant exposure to desert wind, sun, and heat. Still the eyeliners were not used as fashion but for boasting of aristocracies. After the fall of Egypt and Millennia appeared, the eyeliners presented not only fashion accessory but also a connotation to their religious and gods.

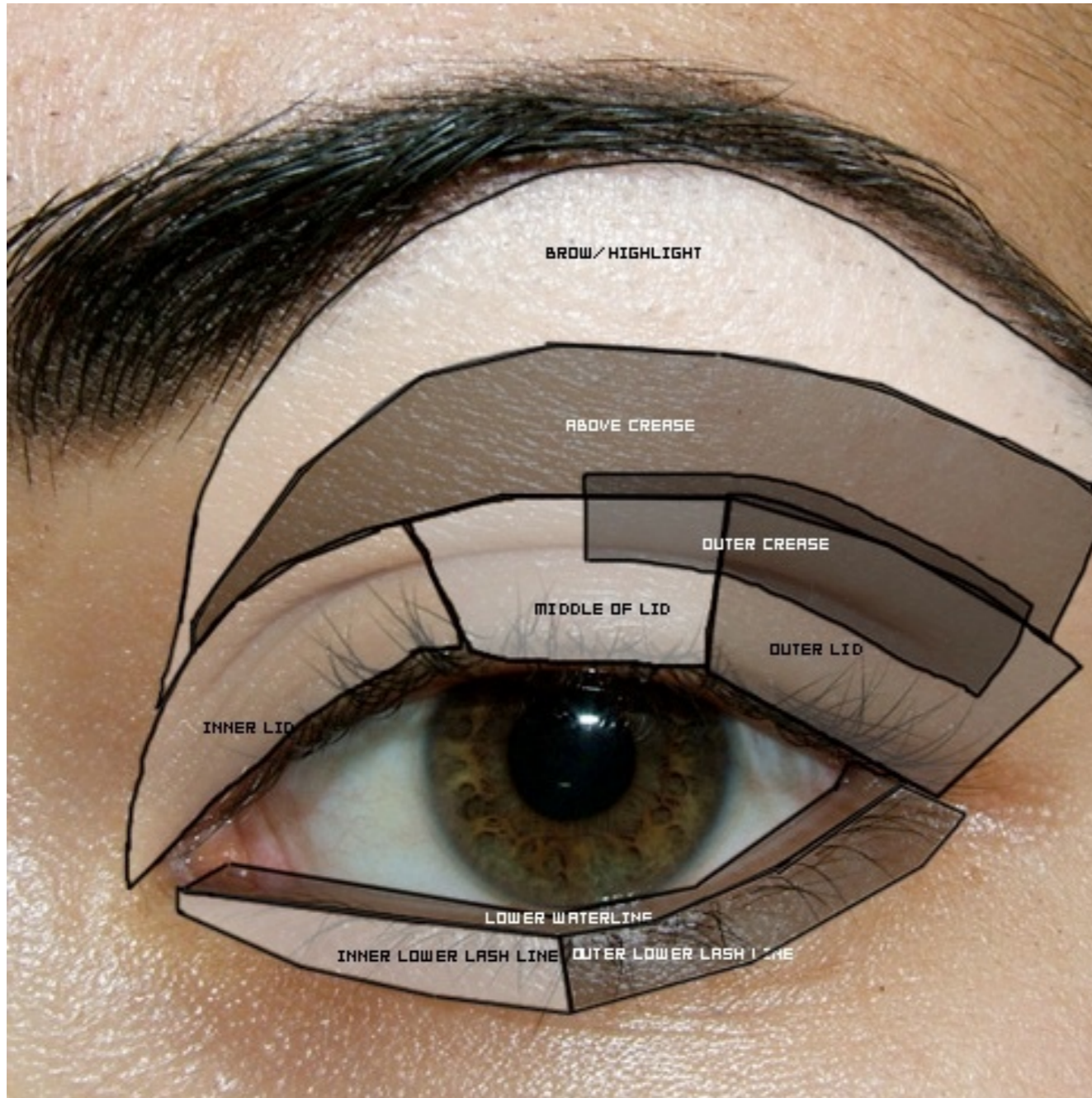
Sadly, after the fall of Egypt, eyeliners fell out of the fashion in Europe, having little or moderate use during the reign of Greek and Roman empires. In Asia, eyeliners remained in use - but they did not manage to influence European fashion after it came out from Dark ages into Renaissance and modern age.

The moment that kick-started the era of eyeliners came in 1920s, during the time when many women embraced new fashion that was fueled by ballet, stage actors, Hollywood, musicians and photography. The exact moment when eyeliners came into popularity was 1922, when the ancient Egyptian pharaoh Tutankhamen was discovered with all of his riches and art items intact. Worldwide coverage of this event introduced Ancient Egyptian eyeliner globally, where it was instantly accepted.

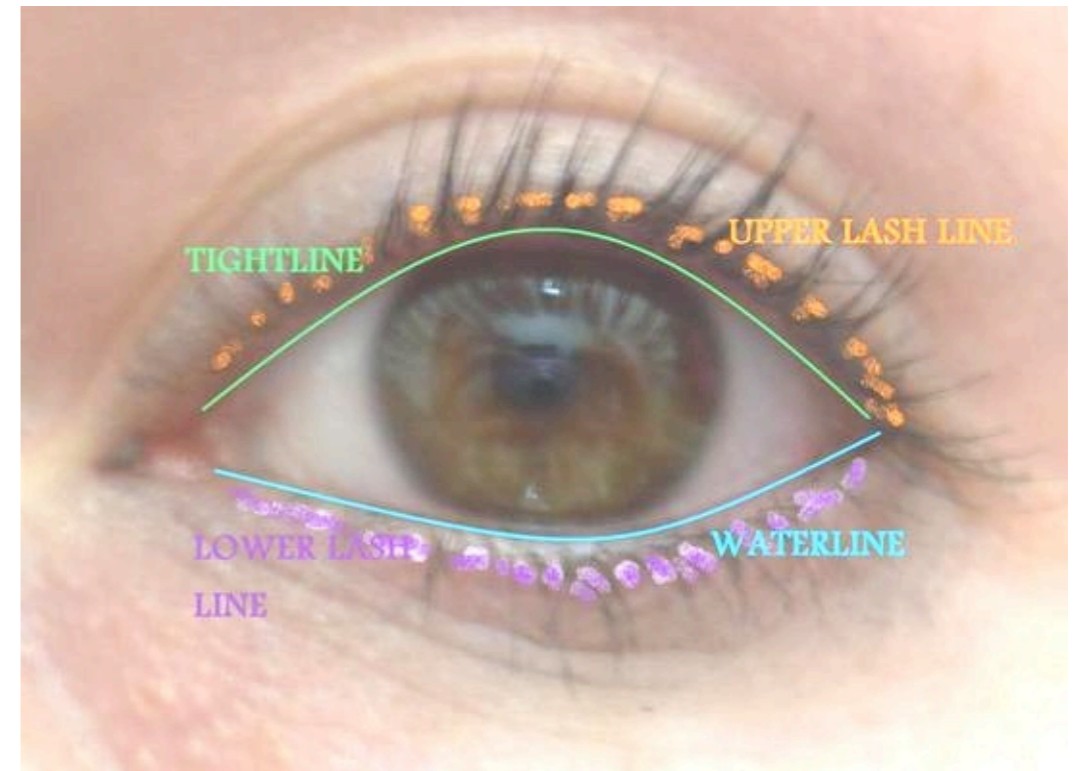
1970s gave birth to several new fashion types that used eyeliners in new ways. Punk and Gothic fashion relied on a dramatic eye effect, and eyeliners, eye shadows and mascaras were some of their most used cosmetic products. In the late 20th century, Emo subculture popularized eyeliners even in male population - which motivated majority of each generation to get interest on eyeliners.

After people began to realize the conveniences of eyeliners- it became very popular among female population who embraced it and never let it go.

WHERE SHOULD EYELINER BE PUT?



POP UP 1.2.1 Eye Structure for Eyeliner



Mostly the eyeliners are applied on the upper lower line, lower waterline, and entire lash lines. The position of eyeliners and its thickness vary tremendously depending on the user's intention. According to Yahoo answers, majority of eyeliner users answered as they only put eyeliners on the waterline for natural look, the top and the bottom lash lines for glamorous look, and the upper lash line and additional tail for cat look.

3 TYPES OF EYELINERS



Liquid Eyeliner

Liquid eyeliner generally comes in a tube with a brush that pulls out with the liquid on it. It is known as the most difficult liner to apply, but is best to create a dramatic and clean line.

Pros:

- Great for Arabic makeup, cat eyes, and dramatic looks.
- Precise in creating a well-defined, thin line
- Countless colors

Cons:

- Very difficult to apply well.
- Takes a steady hand, patience, and practice.

Pencil Eyeliner

Pencil eyeliner is the most commonly used liner as it is very easy to manage and control even for beginners. Pencil eyeliners are alike with ordinary pencils, so that these liners need to be sharpened as they get shorter.

Pros:

- Remotely easy to use and control
- Available in countless colors and textures.
- Very common and easy to find in every brand of makeup.

Cons:

- Requires a sharpener.
- Harder to create sharp, thin, and defined lines



Gel Eyeliner

Gel, or cream eyeliner has been used more by professional makeup artists than the mainstream public, however it is becoming more common. Gel eyeliners generally come in a pot with a brush to dip in. It typically takes a while longer to dry, however it is great for blending when the user smudges it in perfect timing-right before the eyeliner gets solid.

Pros:

- Very creamy and easy to smudge.
- Suitable for smokey eyes.
- Can be used as eyeshadows

Cons:

- Not very portable, needs a specific brush.
- Takes a while to dry completely.
- Blends easily.



HOW TO APPLY . . .

PENCIL EYELINER?

MOVIE 1.1 'How to Apply Pencil Eyeliner' by Signature Series



This video of SignatureSeries channel in youtube, shows the pencil eyeliner technique and its effect.

Expert: [Spencer Barnes](#)

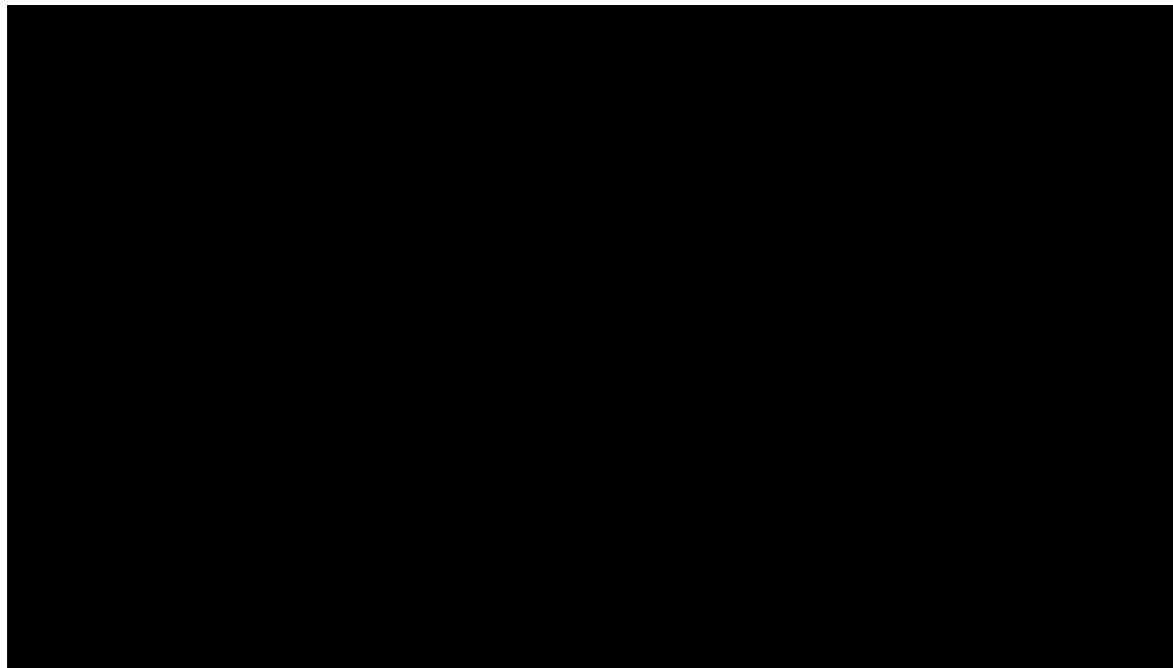


1. Sweep the color right across the lid, starting from the inner corner of the eye.
2. Staying right into the lash line, move towards the outer edge of the eye.
(End for the hard line with pencil eyeliner)
3. For a more blended and soft look, use a blending tip, finger, or sponge to get a more ! hazy effect.

HOW TO APPLY ...

GEL EYELINER?

MOVIE 1.2 'How To Apply Gel Eyeliner' By Moda Mob



This is a video by ModaMob - Youtube Makeup Channel, introducing how to apply gel eyeliners.



1. Lightly dampen the brush, to ensure the bristles stay straight without any sediments.
2. Dip the brush into the pot of a gel eyeliner, and create a winged tip.
3. Line the upper lash line, an angled brush is easier.
4. Draw a line from the winged tip to the center of the eye.
5. Connect the center line with the upper lash line.
6. Fill in the remaining parts of the eye, including the waterline and empty spots among the eyelashes.

HOW TO APPLY . . .

LIQUID EYELINER?

MOVIE 1.3 'Easy Ways to Use Liquid Liner' by Michelle Phan



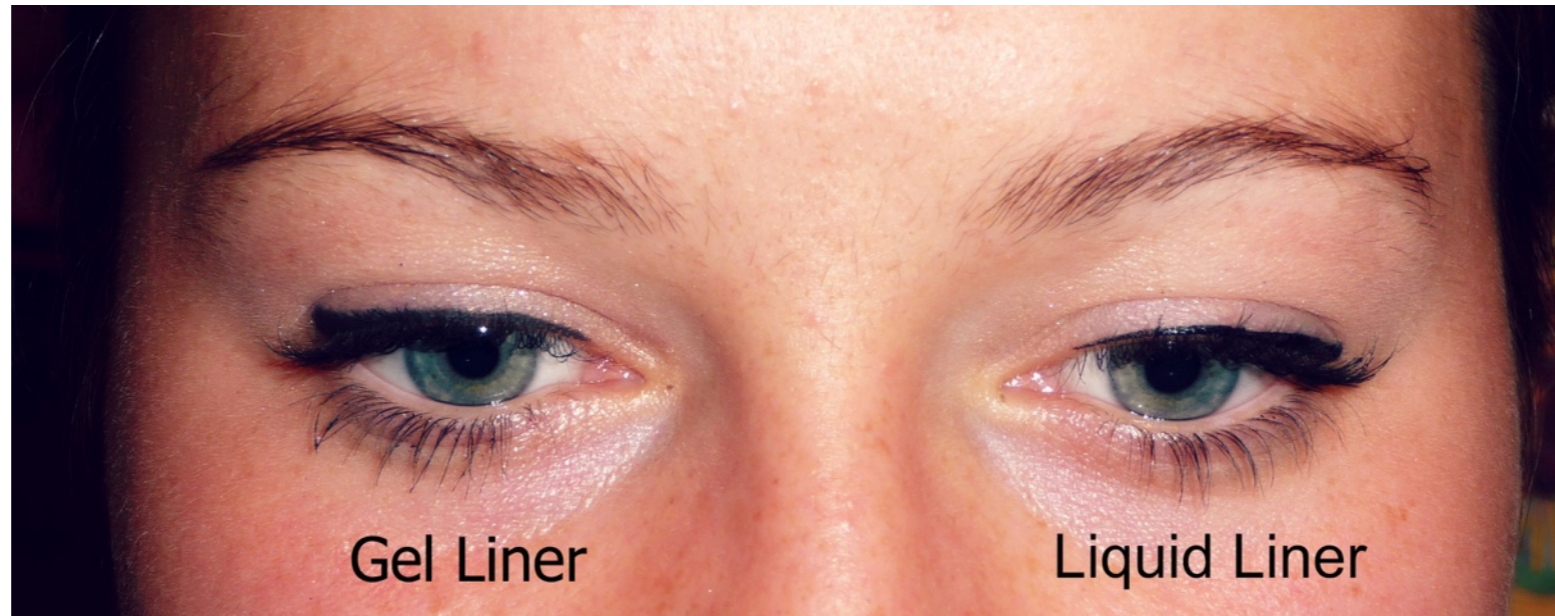
This is a video by Michelle Phan - Youtube Makeup Tutorial Star- about demonstrating easy ways to apply liquid liner on her eyes.



1. The biggest problem with applying a liquid eyeliner is lacking a steady hand causing a wavy line and uneven application. To rectify this, rest the elbow on a table and set the most steady arm position as possible.
2. Draw a row of dots or dashes to guide the line.
3. Connect the dots, and make a clear line.
4. Smooth out the line and make it even more accurate.
5. Fill out the line meticulously including the waterline and the spare moments between the eyelashes.

DIFFERENCES BETWEEN GEL AND LIQUID EYELINERS

AUDIO 1.1 GEL EYELINER VS. LIQUID EYELINER



	Gel	Liquid
Similarity	<ul style="list-style-type: none"> • Both create more defined line than pencil eyeliners • Have to use brush to apply on the eyes. 	
Difference	<ul style="list-style-type: none"> - A brush is sometimes optional, a consumer is required to buy a new brush - Takes more time to dry completely: provides more time to blend and smudge out -Creates a creamy and thicker line 	<ul style="list-style-type: none"> - A Brush is adjoined with the liner - Most likely dries little faster than other types - Harder to make gradations or blends - Easier to create accurate lines

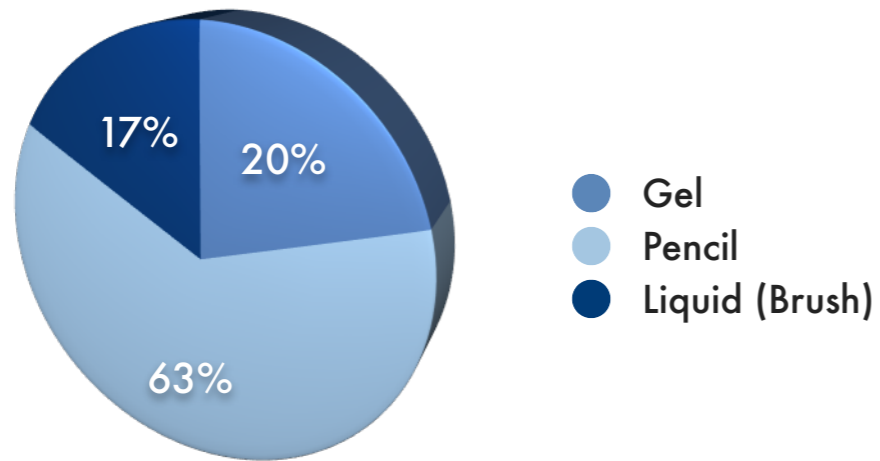
WIDGET 1.1 Gel liner to Liquid liner



See the alterations of the lines of gel liner (first) and liquid liner (second) by scrolling the bar left and right.

THE PREFERENCES AMONG THE EYELINERS

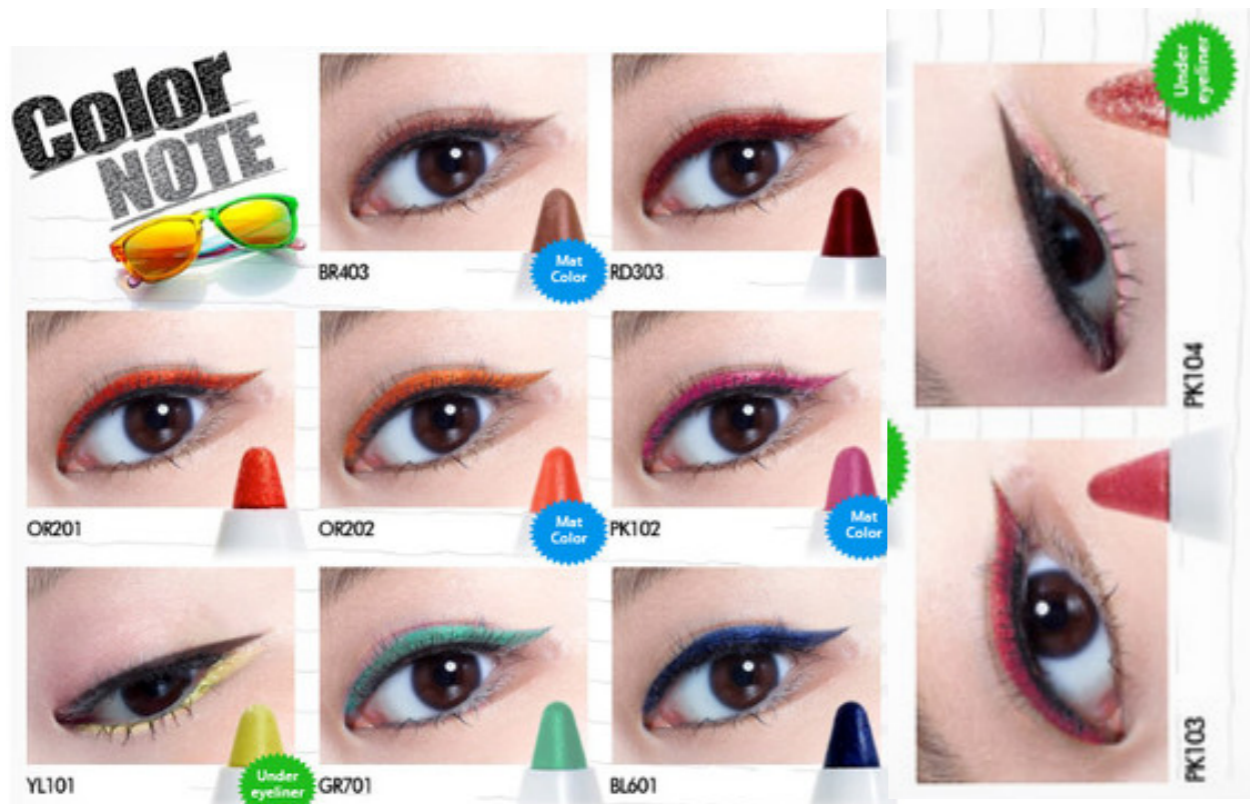
Preferences Towards Types of Eyeliner



Type	# of Voted People	Percentage (%)
Gel Eyeliner	11	20%
Pencil Eyeliner	34	63%
Liquid (Brush) Eyeliner	9	17%

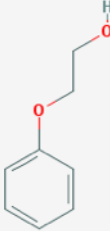
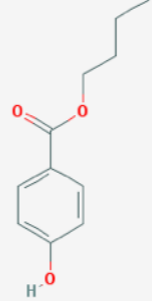
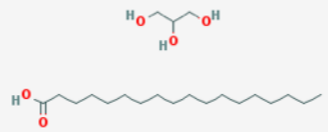

According to the survey from 54 students from the 7th grade through the 10th grade about their preference of the types of eyeliners, 63% of the participants answered as they prefer the pencil type. Second best was the gel eyeliners with 20% of approval rating, and lastly, the liquid eyeliner had only 9 people voted for it.

The main reason of the absolute majority toward the pencil eyeliner was about its portability and easiness. A pencil eyeliner is most useful since it is solid and easier to draw a line quickly than other eyeliners. Most of the pencil eyeliner users were satisfied on the various effects it can create such as smudging, a gradation effect by blending, a function of eyeshadow and more. Pencil liners are also very famous as its range of colors and glitter varieties, which were developed as time went on.



THE MAJOR INGREDIENTS

The ingredients of eyeliners differ depending on the brands, the type, the color, and more. Most generally in black eyeliners regardless of their shape there are : phenoxyethanol, glyceryl stearate, butylparaben, carbon black, and several more.

<u>CHEMI- GREDI-</u>		<u>CAL IN- ENTS:</u>	
	<p><u>Phenoxyethanol</u></p> <ul style="list-style-type: none"> - Works as preservative instead of Butylparaben - Degree of Danger: 4 		<p><u>Butylparaben</u></p> <ul style="list-style-type: none"> - Works as preservative, but very dangerous - Degree of Danger: 7
<p><u>Glyceryl Stearate</u></p> <ul style="list-style-type: none"> - Works as surfactant, emulsifying - Degree of Danger: 0 		<p><u>Carbon Black</u></p> <ul style="list-style-type: none"> - Colorant - Degree of Danger: 6 	



Low hazard



Moderate hazard



High hazard

The degree of danger are ramified in three categories, 0-2 (safe), 3-6 (somewhat danger), and 7-10 (danger). The consumers must avoid the ingredients marked as 7-10 as best as they can, since more than majority of them contain harmful components such as carcinogens.



HYPOTHESIS AND VARIABLE

‘If different types of eyeliners are investigated for their sustainability, then **liquid (Brush) eyeliners** will be the most sustainable type because once the line is dehydrated, it will be solidified and will remain the longest.’

VARIABLES

Experiment 01: Temperature

Independent Variable: Temperatures

Dependent Variable: Length of new lines

Control Variable: Skin type, Original length of the lines (3cm), Type of Cotton Beauty, Body Temperature, Amount of time staying inside the rooms, Number of rubbed times, Amount of rubbing strength

Experiment 02: Waterproof

Independent Variable: Type of eyeliner

Dependent Variable: Length of new lines

Control Variable: Skin type, Original length of the lines (3cm), Type of Cotton Beauty, Amount of rubbed times, Amount of rubbing strength, Type of water, Type of water spray, Amount of sprayed water

Experiment 03: Oil Proof

Independent Variable: Type of eyeliner

Dependent Variable: Length of remaining lines

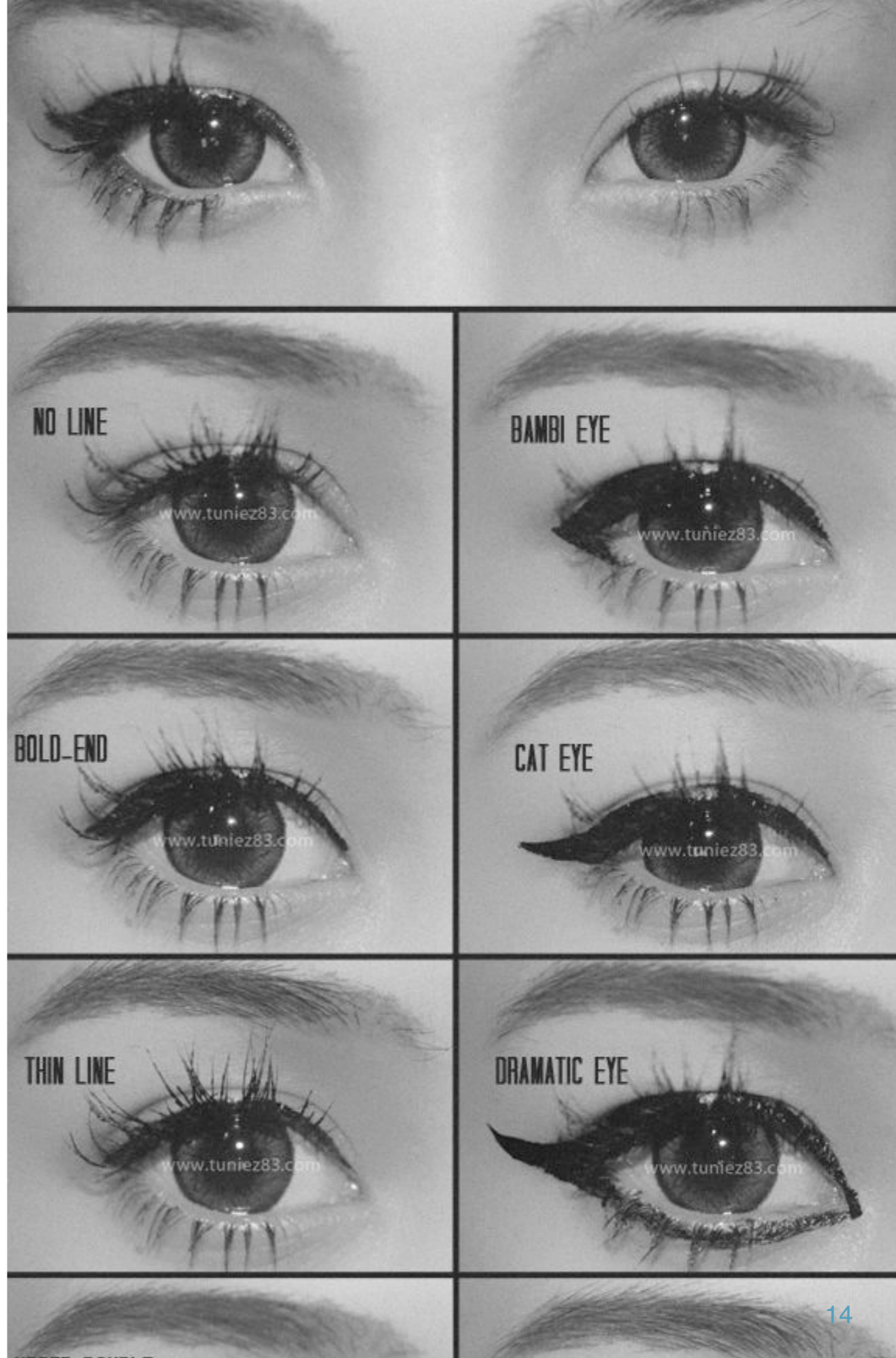
Control Variable: Skin type, Original length of the lines (3cm), Type of Cotton Beauty, Type of night cream, Amount of night cream

Experiment 04: Applying Force

Independent Variable: Type of eyeliner

Dependent Variable: Length of new lines

Control Variable: Skin type, Original length of the lines (3cm), Type of Cotton Beauty, Amount of strength



EXPERIMENTAL DESIGN Material List :

- Separated Rooms with various temperatures
 - 0°C - 10°C
 - 10°C - 20°C
 - 20°C - 30°C
 - 60°C
- Timer
- Water Spray
- Water
- Ruler
- Oil Cleanser
 - Etude Lip and Eye Remover
- Cotton pads
 - Cosmetic Cotton Puff
- Eyeliners
 - Etude Drawing Show Creamy Gel Eyeliner Black Quick One Shot
 - Tony Moly Easy Touch Brush Eyeliner Black



POP UP 1.4.1 Oily Cream



POP UP 1.4.2 Eyeliners



POP UP 1.4.3 Cotton pads



POP UP 1.4.4 Oil Remover



3 TYPES OF EYELINERS:

GALLERY 1.1 Gel Eyeliners



1. Etude Drawing Show Creamy Gel Eyeliner Black Quick One Shot



GALLERY 1.2 Pencil Eyeliners



1. Etude Drawing Show Creamy Pencil Black BK801



GALLERY 1.3 Liquid Eyeliners



1. Etude Drawing Show Brush Liner Black



Eyeliner	Ingredients
Etude Drawing Show Creamy Gel Eyeliner Black Quick One Shot	Black iron oxide, Isododecane, Polyethylene, Cyclopentasiloxane, Trimethylsiloxysilicate, Polypropylsilsesquioxane, Carbon Black, Disteardimonium Hectorite ,Microcrystalline Wax, Polyisobutene, Propylene Carbonate, Mica, Rose Hip Oil (Rose Hip Oil), Methyl Methacrylate Crosspolymer, Barium Sulfate,Butylparaben, Tocopheryl Acetate, Phenoxyethanol, Triethoxycaprylylsilane, Hydrogenated Lecithin
Tony Moly Easy Touch Gel Eyeliner Black	Black iron oxide (CI 77499), Trimethylsiloxysilicate, Cyclopentasiloxane, Isododecane, Cyclohexasiloxane, Ceresin, Caprylyl Methicone, Talc, Ultramarine (CI 77007), Silica Silylate, Disteardimonium Hectorite, Triethoxycaprylylsilane, Propylene Carbonate, Macadamia Integrifolia seed oil, Grape seed oil, BHT (Butylated Hydroxy Toluene), Butylparaben
Innisfree Eco Gel Liner Black	Black iron oxide, Trimethylsiloxysilicate, Cyclopentasiloxane, Isododecane, Cyclohexasiloxane, Ceresin, Talc, Silica Silylate, Phenyl Trimethicone, Disteardimonium Hectorite, Propylene Carbonate, Triethoxycaprylylsilane, Caprylyl Glycol, Hydroxyapatite, SunFlower Seed Oil, Citrus peel extract, Orchid extract, Green tea extract, Camellia leaf extract, Cactus fruit extract
Etude Drawing Show Creamy Pencil Black BK801	Cyclomethicone, Trimethylsiloxysilicate, Black iron oxide, Mica, Polyethylene, Ceresin, Hydrogenated Vegetable Oil, Hydrogenated Coconut Oil, Silica, Red iron oxide, C12-15 Alkyl Ethylhexanoate, Hydrogenated Castor Oil, Carbon, Polyglyceryl-2 Triisostearate, Ferric ferrocyanide
Tony Moly Easy Touch Auto Pencil Eyeliner Black	Cyclomethicone, Black iron oxide,Trimethylsiloxysilicate, Mica, Calcium Aluminum Borosilicate, Polyethylene, Ceresin, Titanium Dioxide, Silica, C12-15 Alkyl Ethylhexanoate, Polyglyceryl-2 Triisostearate, Hydrogenated Castor Oil, Armeniae oil, Tocopheryl Acetate, Hydrogenated Coconut Oil
Innisfree Eco Liner Chic Black	Cyclomethicone, Trimethylsiloxysilicate, Mica, Black iron oxide, Calcium Aluminum Borosilicate, Polyethylene, Ceresin, Titanium Dioxide, Red iron oxide, Silica, C12-15 Alkyl Ethylhexanoate, Polyglyceryl-2 Triisostearate, Ferric ferrocyanide, Camellia oil
Etude Drawing Show Brush Liner Black	Water, Ethylhexyl acrylate/ Methacrylate Copolymer, Butylene Glycol, Ethanol, Beheneth -30, Ammonium acrylate / Methylstyrene / styrene copolymer, Acrylates / Octylacrylamide Copolymer, Phenoxyethanol, Pentylene Glycol, 1,2-Hexanediol, Caprylyl Glycol, Ethylhexylglycerin, Polyglyceryl-3 Disiloxane Dimethicone, Sodium Hydroxide, Disodium EDTA, Carbon Black
Tony Moly Easy Touch Brush Eyeliner Black	Water, Acrylate copolymers, Red aspergillus extract, Gardenia extract, Denatured alcohol, Sorgho seeds / bark / stem extract, Butylene Glycol, Gum arabic, Safflower extract, Disodium EDTA, Phenoxyethanol, Methyl paraben, Propylparaben, Ethylparaben
Innisfree Eco Brush Liner Black	Water, Acrylate / Ethylhexyl Acrylate Copolymer, Carbon black, Polyester-5, Laureth -21, 1,2-Hexanediol, Butylene Glycol, PEG -40 Hydrogenated Castor Oil, Phenoxyethanol, Ceteth-20, Tromethamine, PPG-26-Buteth-26, Hydrolyzed Jojoba Esters, Green tea, Soybean Extract, Sodium Dehydroacetate

Procedure:



Experiment 01: Temperature

- Draw a single 3cm horizontal line per each 3 gel eyeliners on the wrist.
- Go to a room of 0°C-10°C and stay for 3 minute.
- Measure the time with timer or clock.
- After leaving the room, place a cotton beauties at the bottom 1cm of the lines of eyeliners.
- Wipe the edge of the lines downward, total 3 times in equal strength.
- Record the new length of the lines including the spread ones.
- Erase the remaining lines and repeat 1~6 for pencil and liquid eyeliner.
- Repeat a-g in the room of 10-20°C, 20-30°C, 30-40°C, 40-50°C, 50-60°C, and 60-70°C.

Experiment 02: Waterproof

- Draw a single 3 cm horizontal line per each 3 gel eyeliners on wrist.
- Spray water on to cotton beauty for 5 times.
- Place the wet cotton beauty at the bottom 1cm of the lines of eyeliners.
- Wipe the edge of the lines downward in equal strength.
- Record the new length of the lines including the spread lines.
- Erase the remaining lines and repeat 1~5 for pencil and liquid eyeliner.
- Repeat a-f for two more times.

Experiment 03: Oil Proof

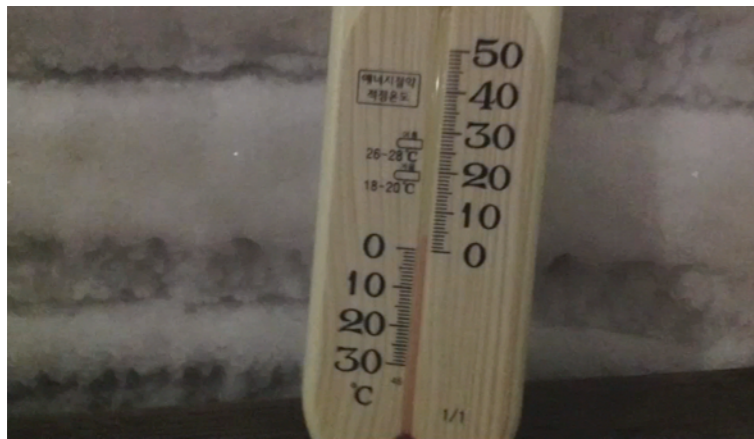
- Draw a single 3cm line of a single eyeliner on wrist horizontally.
- Put half spoon of wrinkle improvement (oil) cream on the top of the line.
- Wipe the cream downward and rub it on the line for 20 times in equal strength.
- Blot the cream around the line once from up to down, and another once from down to up.
- Measure the amount of line remaining on the wrist.
- Repeat a-e for rest of the eyeliners.
- Repeat a-f one more time.

Experiment 04: Applying Force

- Draw a single 3 cm horizontal line per each 3 gel eyeliners on wrist horizontally.
- Place a cotton beauty at the bottom 1cm of the lines of eyeliners.
- Wipe the edge of the lines downward in equal strength.
- Record the new length of the lines including the spreading lines.
- Erase the remaining lines and repeat a-d for pencil and liquid eyeliner.
- Repeat a~e for two more times.

DATA Experiment 1 : Temperature

MOVIE 1.4 Room with 3°C



MOVIE 1.7 Room with 16°C



MOVIE 1.9 Room with 24°C



MOVIE 1.5 Room with 30°C



MOVIE 1.6 Room with 53°C



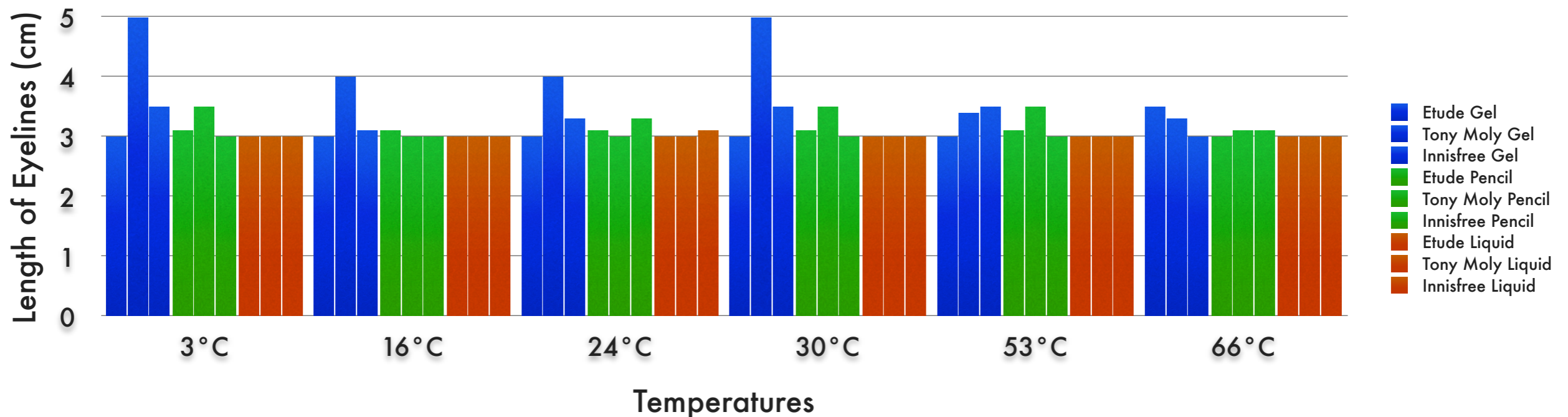
MOVIE 1.8 Room with 66°C



DATA Experiment 1 : Temperature

	3°C (cm)	16°C (cm)	24°C (cm)	30°C (cm)	53°C (cm)	66°C (cm)	Average (cm)	Total Average (cm)
Etude Gel	3	3	3	3	3	3.5	3	3.4
Tony Moly Gel	5	4	4	5	3.4	3.3	4	
Innisfree Gel	3.5	3.1	3.3	3.5	3	3	3.2	
Etude Pencil	3.1	3.1	3.1	3.1	3.5	3	3.2	3.13
Tony Moly Pencil	3.5	3	3	3.5	3	3.1	3.2	
Innisfree Pencil	3	3	3.3	3	3	3.1	3	
Etude Liquid	3	3	3	3	3	3	3	3
Tony Moly Liquid	3	3	3	3	3	3	3	
Innisfree Liquid	3	3	3.1	3	3	3	3	

<Length of Eyeliners per Temperature>



DATA Experiment 2 : Waterproof

GALLERY 1.4 Trial 1



Gel Liners:
Etude - Tony Moly - Innisfree



GALLERY 1.5 Trial 2



Gel Liners:
Etude - Tony Moly - Innisfree



GALLERY 1.6 Trial 3



Gel Liners:
Etude - Tony Moly - Innisfree



Longest Length:

Innisfree Gel Eyeliner in 2nd trial resulted 6.2cm, the longest line during entire experiment.



Shortest Length:

Etude Liquid Eyeliner in 2nd trial resulted 3cm, the shortest line during entire experiment.

MOVIE 1.10 Waterproof Experiments per Trial

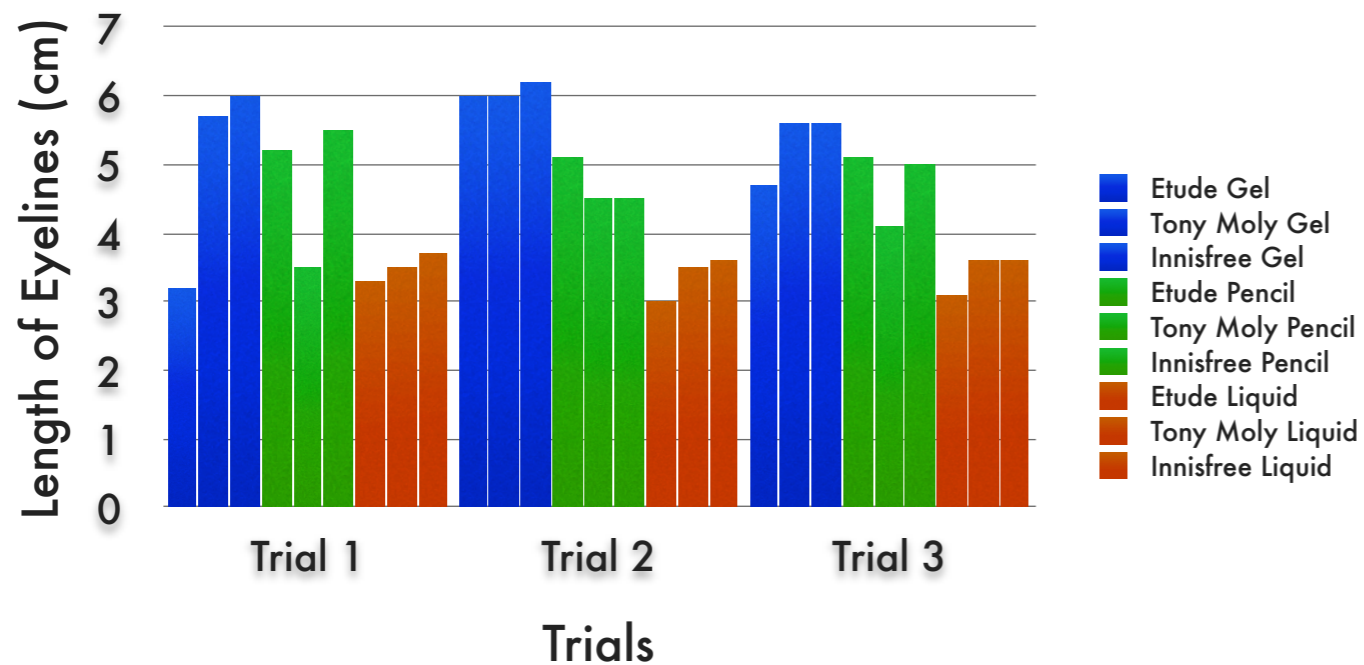


DATA Experiment 2 : Waterproof

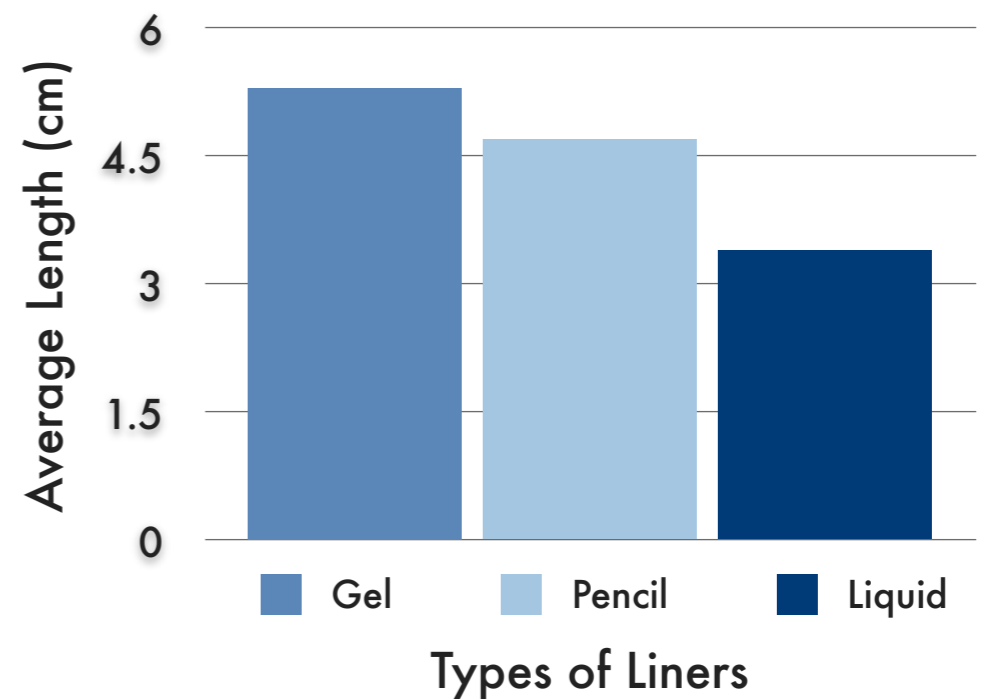
< Length of Eyeliners After Wiping With Water >

	1st Trial (cm)	2nd Trial (cm)	3rd Trial (cm)	Average (cm)	Average per Types (cm)
Etude Gel	3.2	6	5	4.7	5.3
Tony Moly Gel	5.7	6	5	5.6	
Innisfree Gel	6	6.2	4.6	5.6	
Etude Pencil	5.2	5.1	5.1	5.1	4.7
Tony Moly Pencil	3.5	4.5	4.3	4.1	
Innisfree Pencil	5.5	4.5	5	5	
Etude Liquid	3.3	3	3	3.1	3.4
Tony Moly Liquid	3.5	3.5	3.7	3.6	
Innisfree Liquid	3.7	3.6	3.5	3.6	

<Length of Eyeliners After Wiping With Water>



<Average Length of Lines After Wiping With Water>



DATA Experiment 3 : Oil proof

GALLERY 1.7 Trial 1



Etude Gel 1

1 of 18

GALLERY 1.8 Trial 2



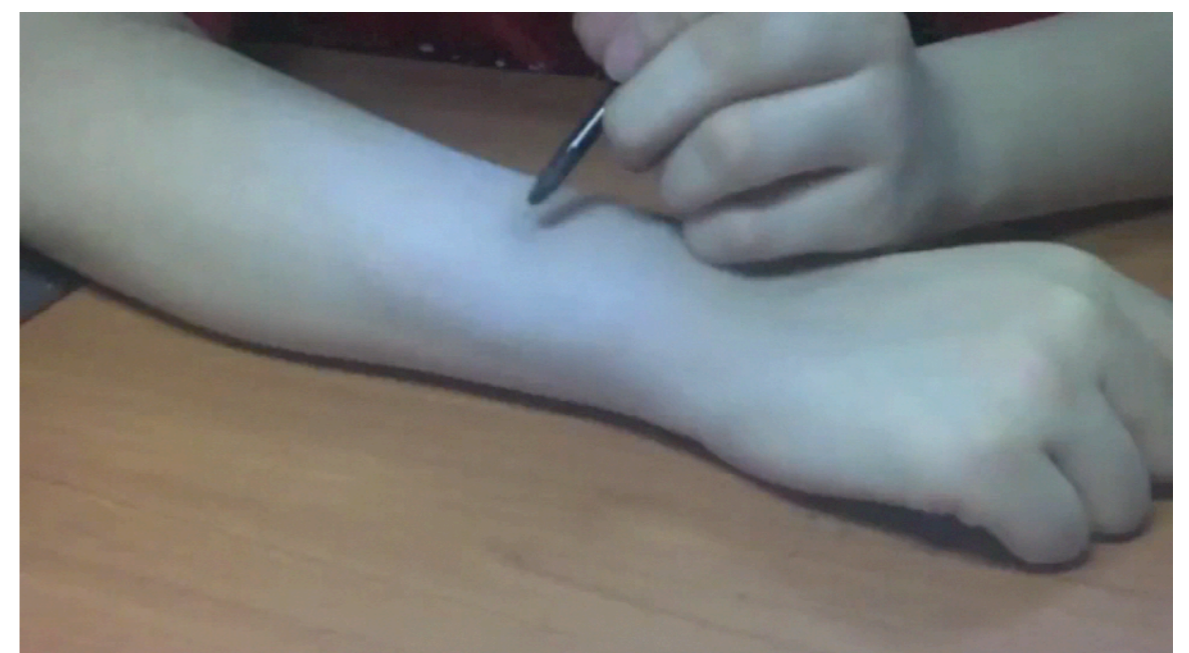
Etude Gel 1

1 of 18

MOVIE 1.11 Oil proof Experiments Trial 1

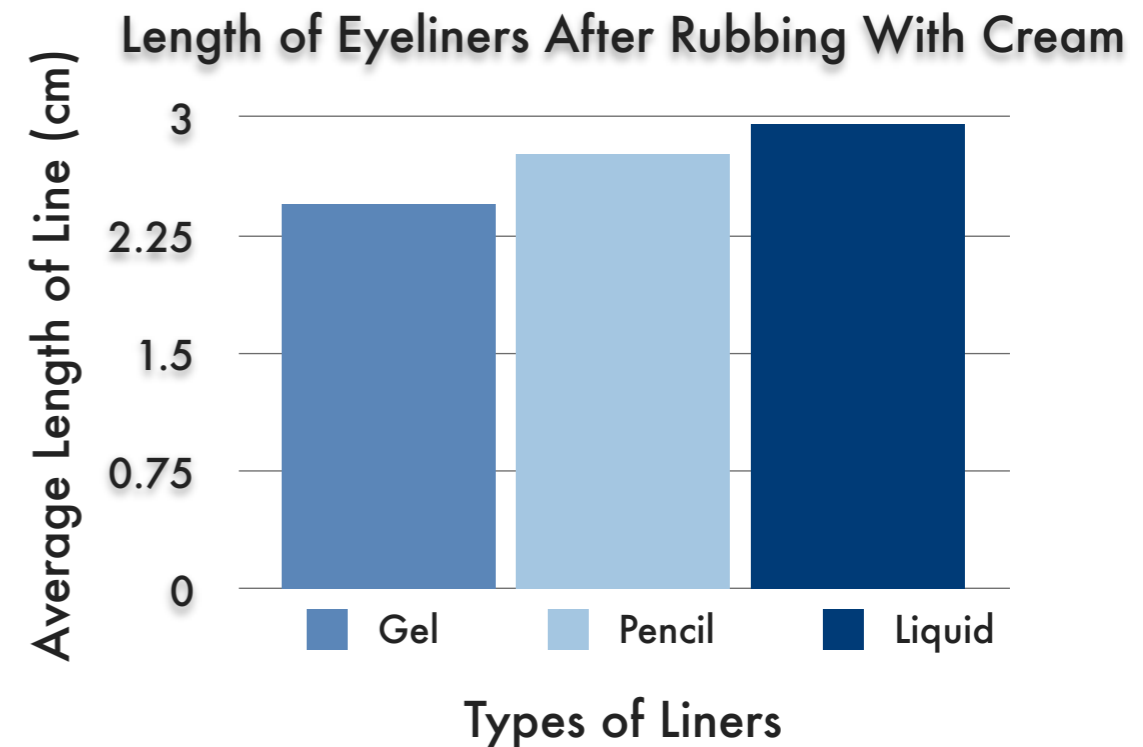
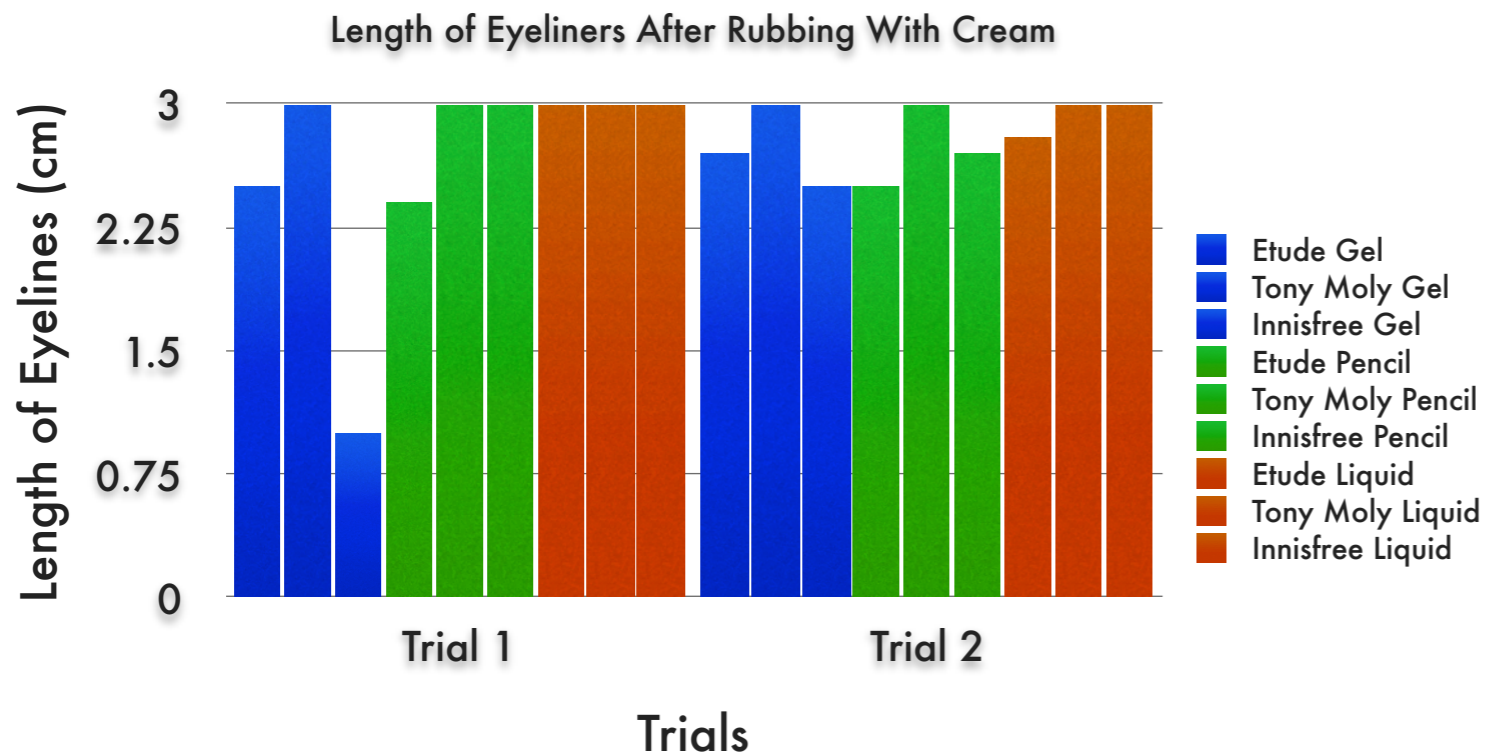


MOVIE 1.12 Oil proof Experiments Trial 2



DATA Experiment 3 : Oil proof

	1st Trial (cm)	2nd Trial (cm)	Average (cm)	Average per Types (cm)
Etude Gel	2.5	2.7	2.6	2.45
Tony Moly Gel	3	3	3	
Innisfree Gel	1	2.5	1.75	
Etude Pencil	2.4	2.5	2.45	2.77
Tony Moly Pencil	3	3	3	
Innisfree Pencil	3	2.7	2.85	
Etude Liquid	3	2.8 (2)	2.9	2.96
Tony Moly Liquid	3	3 (2)	3	
Innisfree Liquid	3	3 (2)	3	



DATA Experiment 4 : Applying Force

GALLERY 1.9 Trial 1



Gel Liners:
Etude - Tony Moly - Innisfree



GALLERY 1.10 Trial 2



Gel Liners:
Etude - Tony Moly - Innisfree



GALLERY 1.11 Trial 3



Gel Liners:
Etude - Tony Moly - Innisfree



MOVIE 1.13 Rubbing Experiments per Trials



Longest Length:

Innisfree Gel Eyeliner in 3rd trial trial resulted 4.8cm, the longest line during entire experiment.



Shortest Length:

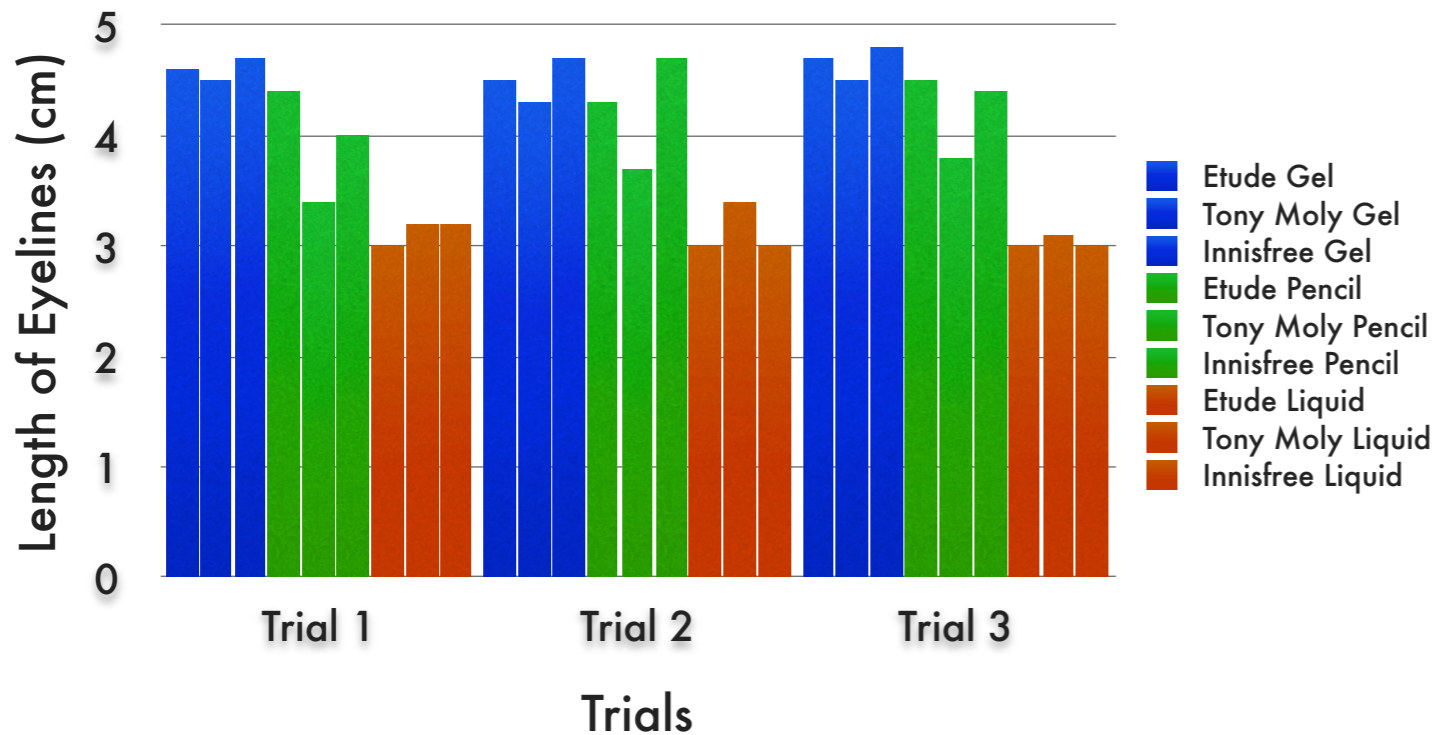
Etude Liquid Eyeliner resulted 3cm in every single trial, which is absolutely the shortest length.

DATA Experiment 4 : Applying Force

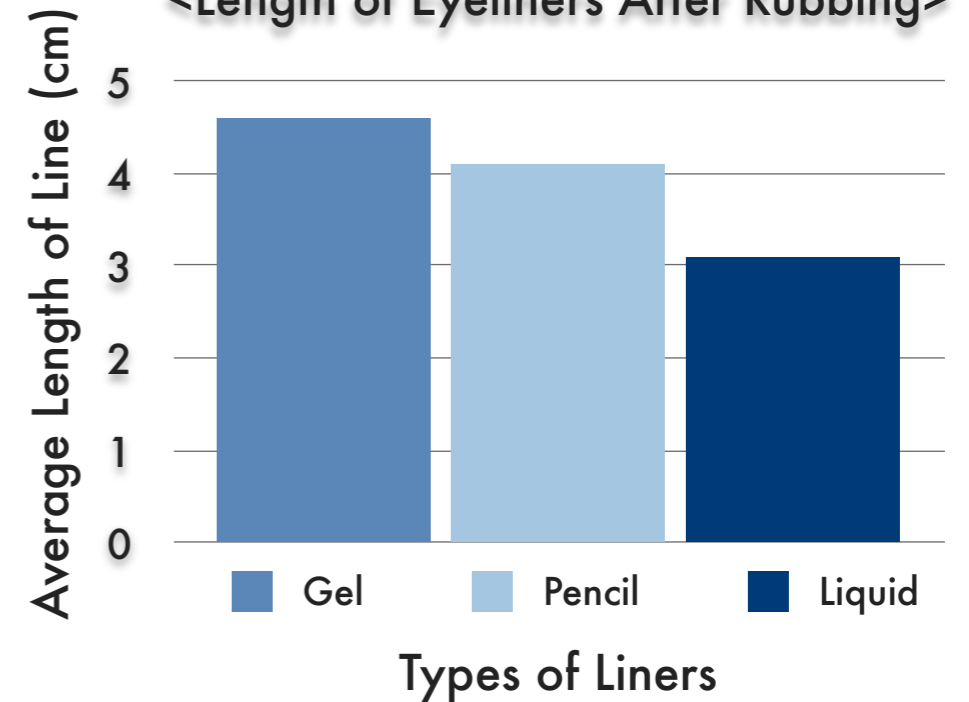
< Length of Eyeliners After Rubbing >

	1st Trial (cm)	2nd Trial (cm)	3rd Trial (cm)	Average (cm)	Average per Types (cm)
Etude Gel	4.6	4.5	4.7	4.6	4.6
Tony Moly Gel	4.5	4.3	4.5	4.4	
Innisfree Gel	4.7	4.7	4.8	4.7	
Etude Pencil	4.4	4.3	4.5	4.4	4.1
Tony Moly Pencil	3.4	3.7	3.8	3.6	
Innisfree Pencil	4	4.7	4.4	4.4	
Etude Liquid	3	3	3	3	3.1
Tony Moly Liquid	3.2	3.4	3.1	3.2	
Innisfree Liquid	3.2	3	3	3.1	

<Length of Eyeliners After Rubbing>



<Length of Eyeliners After Rubbing>



CONCLUSION

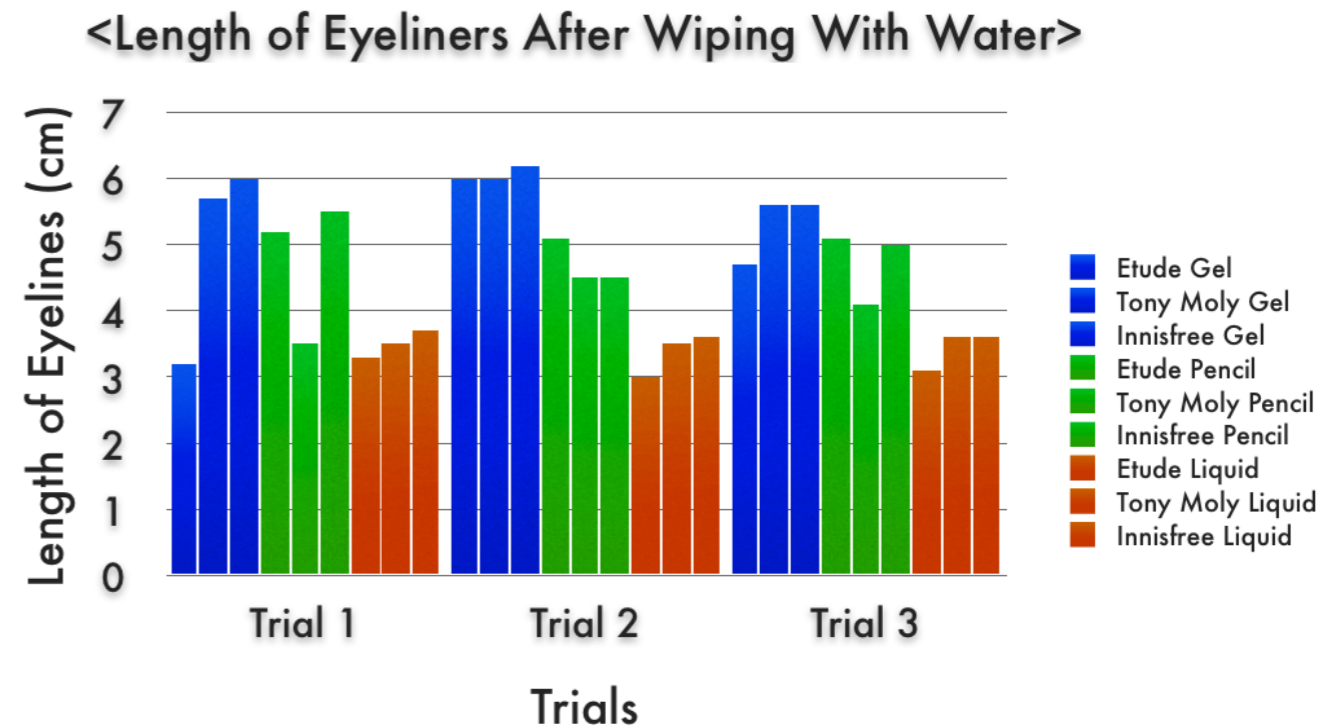
The purpose of this lab was to distinguish the best sustainable type of eyeliner in diverse circumstances. I used three types of eyeliners (gel, pencil, and liquid) of three different brand names (Etude, Tony Moly, Innisfree) in four various conditions for this experiment. In the first experiment, I drew 3cm of three different brands' gel eyeliners on my wrist horizontally, and stayed in the room with six different temperatures from 3°C to 66°C for three minutes. As I left the room, I wiped the edges of the lines downward for three times, and measured their altered lengths. The length of the new lines represented the sustainability of the eyeliner. The shorter length proved higher sustainability of the eyeliner, because it shows the eyeliner has not been smudged much. The same procedure was repeated with two other types of eyeliners, pencil and liquid with five other temperatures. The second and fourth experiments, in which the water and the force were applied to the drawn eyeliners, were tested almost identically except for the wetness of the used cotton pads. The same set of the lines were drawn on the wrist horizontally and was rubbed downward with the cotton pads. The length of the new line was written down as the data, showing that the eyeliner with a longer line has less sustainability. The wet cotton pads were used for rubbing in the waterproof experiment, while the dry ones were used in the last experiment. Lastly, the third investigation with oil was conducted also in a similar setting; however, there was only a single line and was rubbed 20 times with my finger in order to prevent the cotton pads from absorbing the wrinkle improvement (oily) cream. This specific cream was chosen, because there are people who has oily skin, which will react with the eyeliner. Unlikely, the shorter lines represented worse sustainability.

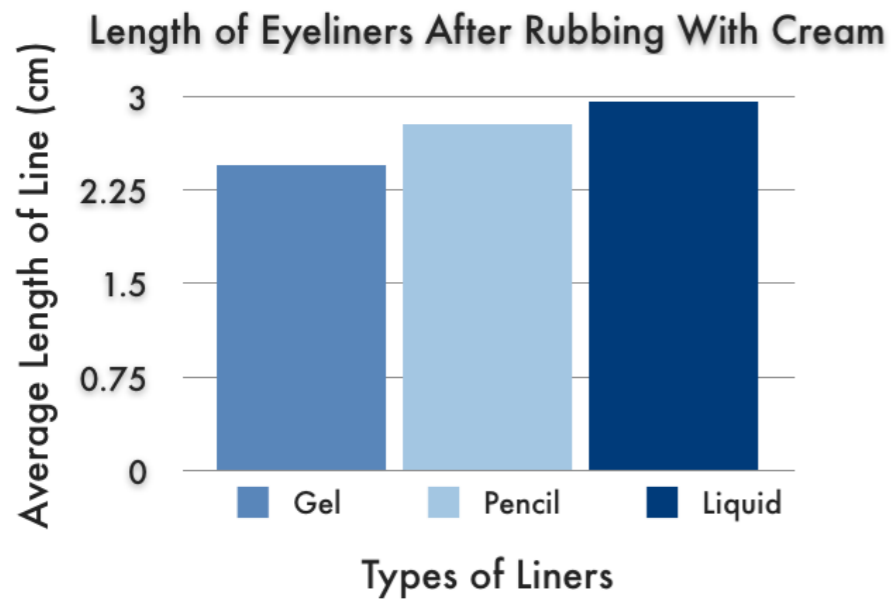


Overall, the liquid type turned out to be most sustainable among other types of eyeliners. The first experiment generally had the similar data among the eyeliners - the range of the average of each result was between 3cm and 4cm. Liquid eyeliners had such a result that this type stayed in its original form during the entire experiment without smudges at all. They had the original length of the line, 3cm, as their average number of new line, while gel eyeliners was 3.4cm and pencil eyeliners came out to be 3.1cm.

	3°C (cm)	16°C (cm)	24°C (cm)	30°C (cm)	53°C (cm)	66°C (cm)	Average (cm)	Total Average (cm)
Etude Gel	3	3	3	3	3	3.5	3	3.4
Tony Moly Gel	5	4	4	5	3.4	3.3	4	
Innisfree Gel	3.5	3.1	3.3	3.5	3	3	3.2	
Etude Pencil	3.1	3.1	3.1	3.1	3.5	3	3.2	3.13
Tony Moly Pencil	3.5	3	3	3.5	3	3.1	3.2	
Innisfree Pencil	3	3	3.3	3	3	3.1	3	
Etude Liquid	3	3	3	3	3	3	3	3
Tony Moly Liquid	3	3	3	3	3	3	3	
Innisfree Liquid	3	3	3.1	3	3	3	3	

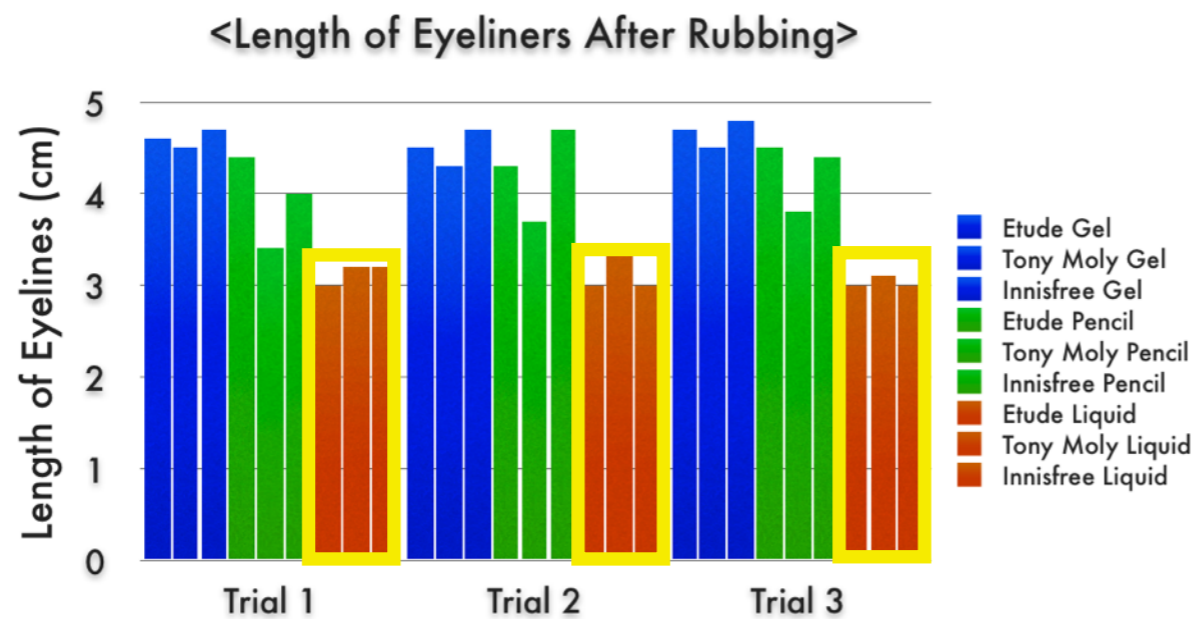
For the second experiment with water, the gel type again was resulted as the least sustainable type while the liquid eyeliner was concluded as the most durable. Their average per types had a gap of almost 2cm that the gel lines stretched out to approximately 5cm to just over 6cm, when the liquid lines did not spread out more than 1cm at the same time. The longest line during the experiment was 6.2cm by Innisfree gel eyeliner in the second trial. It was almost twice longer than the shortest length by Etude liquid eyeliner, 3cm, which had a no stretch at all.





The third investigation about the oil proof ability of the eyeliners preferred the higher number unlike other investigations. Liquid eyeliners overwhelmingly had the highest result during the overall experiments, 4 out of 6 lines did not stretch out, but maintained its first length. As usual, the gel liners were judged as having the lowest sustainability- it barely conserved its original length. Tony Moly eyeliner actually showed a great maintaining ability while the other two liners were messed up. Innisfree gel eyeliner resulted the worst that it created the shortest line out of the whole experiment, 1cm.

The last test that was investigated with the force of rubbing also highlighted the sustainability of the liquid eyeliners. All of the liquid lines stayed in the range of slightly over 3cm, while other types of lines were around approximately 4cm and 5cm. The gel eyeliners were also delicate that they resulted in mostly near 5cm to just over 5cm, which were over 1cm longer than the liquids. Etude gel eyeliner created the longest line among the others, 5 cm, while the liquid eyeliner from the same brand, Etude, was 3cm of lines during entire three trials. In general, the liquid eyeliners were finalized as the most sustainable type of eyeliner other than the gel or pencil types.



Longest Length:
Innisfree Gel Eyeliner in 3rd trial trial resulted 4.8cm, the longest line during entire experiment.



Shortest Length:
Etude Liquid Eyeliner resulted 3cm in every single trial, which is absolutely the shortest length.

My hypothesis was 'If different types of eyeliners are investigated for their sustainability, then liquid (Brush) eyeliners will be the most sustainable type, because once the line is dehydrated, it will be solidified and will remain the longest.' This was approved through four multi-farious investigations. The liquid eyeliner became stiffened in a quick moment, and also was the hardest type to remove from the wrist.

Characteristically, there are still some of the greenish residues of liquid eyeliner remaining on my wrist although I tried removing them as most enthusiastically as I can . These strong points of the liquid eyeliner most likely originated from its rapid solidification that intensifies the line to be more adjoined together. Liquid eyeliners obviously all contain water in common as one of their ingredients, and is very distinctive that none of the gel or pencil eyeliners contain water in them. The other specific chemical ingredients of every used liquid eyeliner were Butylene Glycol, and Phenoxyethanol. Butylene Glycol has a moisture adsorption characteristics, also it functions as a solvent, viscosity decreasing agents, fragrance ingredients, and skin conditioning agents. Only the liquid eyeliners contained Butylene Glycol, which intensifies their sustainability, by sticking more to the skin. Within the came out datas and background information, I accept my initial hypothesis. In addition to my reasoning, I found out that the Butylene Glycol also contributed on the liquid eyeliner's dominative sustainability.

Etude Drawing Show Brush Liner Black	Water, Ethylhexyl acrylate/ Methacrylate Copolymer, Butylene Glycol, Ethanol, Beheneth -30, Ammonium acrylate / Methylstyrene / styrene copolymer, Acrylates / Octylacrylamide Copolymer, Phenoxyethanol, Pentylene Glycol, 1,2-Hexanediol, Caprylyl Glycol, Ethylhexylglycerin, Polyglyceryl-3 Disiloxane Dimethicone, Sodium Hydroxide, Disodium EDTA, Carbon Black
Tony Moly Easy Touch Brush Eyeliner Black	Water, Acrylate copolymers, Red aspergillus extract, Gardenia extract, Denatured alcohol, Sorgho seeds / bark / stem extract, Butylene Glycol, Gum arabic, Safflower extract, Disodium EDTA, Phenoxyethanol, Methyl paraben, Propylparaben, Ethylparaben
Innisfree Eco Brush Liner Black	Water, Acrylate / Ethylhexyl Acrylate Copolymer, Carbon black, Polyester-5, Laureth -21, 1,2-Hexanediol, Butylene Glycol, PEG -40 Hydrogenated Castor Oil, Phenoxyethanol, Ceteth-20, Tromethamine, PPG-26-Buteth-26, Hydrolyzed Jojoba Esters, Green tea, Soybean Extract, Sodium Dehydroacetate



Since there were four kinds of experiments and each of them also had numerous control variables, massive amount of mistakes could have happened during the investigation. First, the amount of line I drew for each trial might have gone wrong and led to the inaccurate data. Each time I drew 3 cm of lines since I was supposed to; however, their thicknesses were not obviously distinguishable. To prevent that, I implicitly applied the eyeliner for five times to even out the thickness as best as I can. Secondly, the different speed of the lines solidifying could also led to the incorrect data, because in case of the liquid eyeliners, they were already dehydrated when I was about to start investigation. I estimated that different lines at a different phase level would create a very biased result for the lines that were drawn lastly, and decided to decrease the number of line drawing at one trial. At first I drew 9 lines at once, but after realizing the difficulty, I drew three lines of the same types to avoid having the wrong data. I also practiced separately to draw the lines as fast as I can to minimize the wasting time in drawing the lines. Lastly, any other unknown substances during the investigation might alter the consequences because it may disturb the lines from spreading, or its opposite. In order to prevent the experimented eyeliners to contact with any other substances, I isolated them and did not open at all when the investigation was over. During the experiment, I closed the caps of the eyeliners as soon as the test was finished, because I was worried of the impurities. For more accurate and reliable data, I considered various potential outliers and occasions, and tried my best to prevent them.





During the experiment, I had several questions that I wondered desperately but was not capable enough to figure it out on my own. They were:

1. Is there a specific chemical ingredient of an eyeliner that makes it more sustainable? If yes, what is it and why don't the cosmetic companies put massive amount of them in order to invent the eyeliner with an incredible sustainability?
2. How can the liquid eyeliners stay wet during the whole time it is used?
3. Will there be an alteration on the product's sustainability when it has different color, or more glittering varieties supplemented?
4. Are there any interrelationship between the sustainability of a product and its intensity, such as softness and hardness?
5. Will there be any differences of sustainability between the retractable pencil eyeliners and typical pencil shaped eyeliners?

REVIEW

REVIEW 1.1 Review Questions

Question 1 of 6

Which type of eyeliner is in the following picture?



- A.** Gel Eyeliner
- B.** Liquid Eyeliner
- C.** Brush Eyeliner
- D.** Pencil Eyeliner

Check Answer

CITATIONS

Sites

"Choosing an Eyeliner." Ebay. N.p., n.d. Web. 16 Mar. 2014. <<http://www.ebay.com/gds/Choosing-an-Eyeliner-/10000000177699151/g.html>>.

"Eco Brush Liner." Innisfree. N.p., n.d. Web. 16 Mar. 2014. <<http://www.innisfree.co.kr/ProductView.do?prdSeq=4141&catCd01=UN&catCd02=UNCC>>.

"Eco Gel Liner." Innisfree. N.p., n.d. Web. 16 Mar. 2014. <<http://www.innisfree.co.kr/ProductView.do?prdSeq=4125&catCd01=UN&catCd02=UNCC>>.

"Eco Liner." Innisfree. N.p., n.d. Web. 16 Mar. 2014. <<http://www.innisfree.co.kr/ProductView.do?prdSeq=8542&catCd01=UN&catCd02=UNCC>>.

"EXPERIMENT: Which eyeliner is the most WATERPROOF & SMUDGEPROOF." Faces by Sarah. N.p., n.d. Web. 16 Mar. 2014. <<http://www.facesbysarah.com/2011/experiment-which-eyeliner-is-the-most-waterproof-smudgeproof/>>.

"Eye liner." MAC. N.p., n.d. Web. 16 Mar. 2014. <http://imabeautygeek.com/wp-content/uploads/2013/09/MAC-Pro-Longwear-Eye-Liner_Charlotte-Tilbury_feline-eye-or-cat-eye-makeup.jpg>.

"Eyeliner." THE SOCIETY OF PERMANENT COSMETIC PROFESSIONALS. N.p., n.d. Web. 16 Mar. 2014. <<http://www.spcp.org/thinking-of-getting-a-cosmetic-tattoo/eyeliner/>>.

"Eye Liner." Wikipedia. N.p., n.d. Web. 16 Mar. 2014. <http://en.wikipedia.org/wiki/Eye_liner>.

"Eyeliner." Zao. N.p., n.d. Web. 16 Mar. 2014. <<http://www.zaomakeup.com/en/zao-range/eyes/eye-liner>>.

"[???? 1?] '??? ?????' ????? ??????" International BNT News Korea. N.p., n.d. Web. 16 Mar.

2014. <http://bntnews.hankyung.com/apps/news?popup=0&nkey=201108061141583&c1=03&c2=02&nid=03&mode=sub_view>.

"Gel eyeliner vs Liquid eyeliner: the beauty experts spill on which one they prefer." Sassybella. N.p., n.d. Web. 16 Mar. 2014. <<http://www.sassybella.com/2012/06/gel-eyeliner-vs-liquid-eyeliner-beauty-experts/>>.

"History of Eye Liner - Invention of the Eye Liner." History of Cosmetics. N.p., n.d. Web. 16 Mar. 2014. <<http://www.historyofcosmetics.net/history-of-makeup/history-of-eye-liner/>>.

"How to Apply Eyeliner." Wikihow. N.p., n.d. Web. 16 Mar. 2014. <<http://www.wikihow.com/Apply-Eyeliner>>.

"How to Apply Eyeliner: 10 Looks for Beginners and Pros." Total Beauty.com. N.p., n.d. Web. 16 Mar. 2014. <<http://www.totalbeauty.com/content/gallery/eyeliner-tutorial/p100182/page1>>.

"How to Apply Gel Eyeliner." Wikihow. N.p., n.d. Web. 16 Mar. 2014. <<http://www.wikihow.com/Apply-Gel-Eyeliner>>.

"How to Apply Liquid Eyeliner." Wikihow. N.p., n.d. Web. 16 Mar. 2014. <<http://www.wikihow.com/Apply-Liquid-Eyeliner>>.

"How to Remove Makeup from Silk." Do It Yourself. N.p., n.d. Web. 16 Mar. 2014. <<http://www.doityourself.com/stry/how-to-remove-makeup-from-silk#b>>.

"How to Use White Eyeliner." Ebay. N.p., n.d. Web. 16 Mar. 2014. <<http://www.ebay.com/gds/How-to-Use-White-Eyeliner-/10000000177771595/g.html>>.

"Ingredients in Eyeliner." Sophiscated Edge. N.p., n.d. Web. 16 Mar. 2014. <<http://www.sophisticatededge.com/ingredients-in-eyeliner.html>>.

"An Introduction to Using Eyeliner on the Inner Rim of Your Eye." Answers. N.p., n.d. Web. 16 Mar. 2014. <<http://beauty.answers.com/eye-makeup/>>.

[an-introduction-to-using-eyeliner-on-the-inner-rim-of-your-eye>](#).

"팬더는 주의보! 내눈에 왜 검은비?" HanKook Economy News. N.p., n.d. Web. 16 Mar. 2014.

[<http://www.hankyung.com/news/app/newsview.php?aid=201108101000k>](http://www.hankyung.com/news/app/newsview.php?aid=201108101000k).

"아이라이너 지속성 실험." Naver Blog. N.p., n.d. Web. 16 Mar. 2014. [<http://blog.naver.com/gohm/30165235996>](http://blog.naver.com/gohm/30165235996).

[30165235996>](#).

"Let's line those eyes! Pencil, liquid and gel liners." Makeup Geek. N.p., n.d. Web. 16 Mar. 2014.

[<https://www.makeupgeek.com/best-of/line-those-eyes/>](https://www.makeupgeek.com/best-of/line-those-eyes/>).

LondonLady. "Types of Eyeliners: How To Use Them." Hubpages. N.p., n.d. Web. 16 Mar. 2014.

[<http://londonlady.hubpages.com/hub/Types-of-Eyeliners-How-to-use-eyeliner>](http://londonlady.hubpages.com/hub/Types-of-Eyeliners-How-to-use-eyeliner).

"MEANING OF MAKE-UP EYELINER." Art Soffio. N.p., n.d. Web. 16 Mar. 2014.

[<http://www.art-soffio.com/raw13.html>](http://www.art-soffio.com/raw13.html).

Mint. "갯잇뷰티 아이라이너 추천." Naver Blog. N.p., n.d. Web. 16 Mar. 2014.

[<http://bb_kjh.blog.me/162512929>](http://bb_kjh.blog.me/162512929).

"Pencil Liner." Innisfree. N.p., n.d. Web. 16 Mar. 2014. [<http://www.innisfree.co.kr/ProductView.do?prdSeq=8542&catCd01=UN&catCd02=UNCC>](http://www.innisfree.co.kr/ProductView.do?prdSeq=8542&catCd01=UN&catCd02=UNCC).

[ProductView.do?prdSeq=8542&catCd01=UN&catCd02=UNCC>](#).

"PHENOXYETHANOL." EWG. N.p., n.d. Web. 16 Mar. 2014. [<http://www.ewg.org/skindeep/ingredient/704811/PHENOXYETHANOL/>](http://www.ewg.org/skindeep/ingredient/704811/PHENOXYETHANOL/>).

[704811/PHENOXYETHANOL/>](#).

"Stain Buster — Eye Liner." Goodhouse Keeping. N.p., n.d. Web. 16 Mar. 2014.

[<http://www.goodhousekeeping.com/home/stain-buster/stains-eye-liner-may07/>](http://www.goodhousekeeping.com/home/stain-buster/stains-eye-liner-may07/>).

"Types of Eyeliners and How to Use Them." Makeup Geek. N.p., n.d. Web. 16 Mar. 2014.

[<https://www.makeupgeek.com/makeup-basics/the-types-of-eyeliners-and-how-to-use-them/>](https://www.makeupgeek.com/makeup-basics/the-types-of-eyeliners-and-how-to-use-them/>).

"What are the main ingredients in eyeliner?" Answers. N.p., n.d. Web. 16 Mar. 2014.

[<http://wiki.answers.com/Q/What_are_the_main_ingredients_in_eyeliner?#slide=13>](http://wiki.answers.com/Q/What_are_the_main_ingredients_in_eyeliner?#slide=13).

"What Ingredients are in Eyeliner?" Answers. N.p., n.d. Web. 16 Mar. 2014.

[<http://answers.ask.com/health/other/what_ingredients_are_in_eyeliner/>](http://answers.ask.com/health/other/what_ingredients_are_in_eyeliner/>).

"What Is the Difference Between a Liquid and Pencil Eyeliner?" Wise Geek. N.p., n.d. Web. 16 Mar.

2014. [<http://www.wisegeek.net/what-is-the-difference-between-a-liquid-and-pencil-eyeliner.htm#didyouknowout>](http://www.wisegeek.net/what-is-the-difference-between-a-liquid-and-pencil-eyeliner.htm#didyouknowout).

[what-is-the-difference-between-a-liquid-and-pencil-eyeliner.htm#didyouknowout>](#).

"What is the material used for eyeliner in ancient Egypt?" Wiki Answers. N.p., n.d. Web. 16 Mar.

2014. [<http://wiki.answers.com/Q/What_is_the_material_used_for_eyeliner_in_ancient_Egypt?#slide=1>](http://wiki.answers.com/Q/What_is_the_material_used_for_eyeliner_in_ancient_Egypt?#slide=1).

[What_is_the_material_used_for_eyeliner_in_ancient_Egypt?#slide=1>](#).

"What materials are in eyeliner?" Wiki Answers. N.p., n.d. Web. 16 Mar. 2014.

[<http://wiki.answers.com/Q/What_materials_are_in_eyeliner?#slide=1>](http://wiki.answers.com/Q/What_materials_are_in_eyeliner?#slide=1).

"What materials make up eyeliner?" Yahoo Answers. Yahoo, n.d. Web. 16 Mar. 2014.

[<http://answers.yahoo.com/question/index?qid=20081209161428AAYenJ>](http://answers.yahoo.com/question/index?qid=20081209161428AAYenJ).

Videos

[스카이007]뽀아 라스트 오토 젤 아이라이너 오일프루프 실험. Youtube. N.p., n.d. Web. 16 Mar. 2014.

[<http://www.youtube.com/watch?v=EyutgTQOuIE>](http://www.youtube.com/watch?v=EyutgTQOuIE).

[스카이007]뽀아 라스트 오토 젤 아이라이너 워터프루프 실험. Prod. Sky007. Youtube. N.p., n.d. Web. 16 Mar. 2014.

[<http://www.youtube.com/watch?v=ePDJIZ1ftug>](http://www.youtube.com/watch?v=ePDJIZ1ftug).

How to apply eyeliner pencil for a natural look. Youtube. N.p., n.d. Web. 16 Mar. 2014.

[<http://www.youtube.com/watch?v=IHKdLrfQ-vQ>](http://www.youtube.com/watch?v=IHKdLrfQ-vQ).

Easy Ways to Use Liquid Liner. Prod. Michelle Phan. Youtube. N.p., n.d. Web. 16 Mar. 2014.

[<http://www.youtube.com/watch?v=Rc0vliuLm28>](http://www.youtube.com/watch?v=Rc0vliuLm28).

How To Apply Gel Eyeliner. Prod. ModaMob. Youtube. N.p., n.d. Web. 16 Mar. 2014. [<http://History_of_Eye_Liner_-_Invention_of_the_Eye_Liner>](http://History_of_Eye_Liner_-_Invention_of_the_Eye_Liner).

How to Apply Pencil Eyeliner. Youtube. N.p., n.d. Web. 16 Mar. 2014. [<http://www.youtube.com/watch?feature=player_detailpage&v=QDFAA8L8jU4>](http://www.youtube.com/watch?feature=player_detailpage&v=QDFAA8L8jU4).

Photos

"60's Winged Cat Eyeliner." Express-0. N.p., n.d. Web. 17 Mar. 2014.

<<http://diana212m.blogspot.kr/2012/07/60s-winged-cat-eyeliner.html>>.

"ancient eyeliner." Asksarah. N.p., n.d. Web. 17 Mar. 2014. <<http://www.asksarah.com.au/>

[lashings-of-history-the-story-of-mascara/](#)>.

"Back To Basics : A Woman's Guide To Eyeliner." Jadorelamodechic. N.p., n.d. Web. 17 Mar. 2014.

<<http://jadorelamodechic.weebly.com/1/category/back%20to%20basics/1.html>>.

"Butylparaben." EWG. N.p., n.d. Web. 17 Mar. 2014. <<http://www.ewg.org/skindeep/ingredient/700868/>

[BUTYLPARABEN/](#)>.

"cleopatra." Fact. N.p., n.d. Web. 17 Mar. 2014. <<http://www.fact.co.uk/whats-on/>

[cleopatra-re-2013](#)>.

"Dolly Sweet & Liquid Eyeliner." Winnietsui. N.p., n.d. Web. 17 Mar. 2014.

<<http://www.winnietsui.com/2010/10/dolly-wink-eyeliner-and-lashes-review.html>>.

"Etude eyeliner." She Said Beauty. N.p., n.d. Web. 17 Mar. 2014. <<https://www.shesaidbeauty.com/>

[tuliplove/blog/-285231](#)>.

"eye." Hotvteen. N.p., n.d. Web. 17 Mar. 2014. <<http://www.hotvteen.vn/?p=81584>>.

"eye." Ladies. N.p., n.d. Web. 17 Mar. 2014. <<http://ladiesdamoda.com.br/2013/06/page/2/>>.

"eye." Peace Connection. N.p., n.d. Web. 17 Mar. 2014. <<http://peaceconnections.info/>

[eye-makeup-tips/eye-makeup-tips-zehkmt/](#)>.

"Eyeliner." The Beauty Architect. N.p., n.d. Web. 17 Mar. 2014.

<<http://thebeautyarchitect.blogspot.kr/2011/08/august-2011-birchbox.html>>.

"Eyeliner." Makeup Geek. N.p., n.d. Web. 17 Mar. 2014. <<https://www.makeupgeek.com/best-of/>

[line-those-eyes/](#)>.

"eyeliner." Ston and makeup. N.p., n.d. Web. 17 Mar. 2014. <<http://stopnmakeupp.blogspot.kr/2013/>

[07/time-bound-tuesday-history-of-eyeliner.html](#)>.

"Eyeliners." Covelli Fashion. N.p., n.d. Web. 17 Mar. 2014. <<http://covellifashion.wordpress.com/>

[2011/12/08/eyeliner-the-secret-to-beautiful-sexy-eyes/](#)>.

"eyeliner styles." Weheartit. N.p., n.d. Web. 17 Mar. 2014. <<http://weheartit.com/entry/>

[96518621](#)>.

"eyelines." Pinterest. N.p., n.d. Web. 17 Mar. 2014. <<http://www.pinterest.com/pin/>

[80642649551791638/](#)>.

"eyes." Bastaigatsikat. N.p., n.d. Web. 17 Mar. 2014. <<http://www.bastaigatsikat.com/2013/06/>

[7-easy-eyeliner-styles-Revlon-Kajal-Intense-Eyeliner-Brightener-review.html](#)>.

"Gel Liquid." Prety Melange. N.p., n.d. Web. 17 Mar. 2014. <<http://aprettypelange.com/tag/>

[gel-eyeliner/](#)>.

"GLYCERYL STEARATE SE." EWG. N.p., n.d. Web. 17 Mar. 2014. <<http://www.ewg.org/skindeep/>

[ingredient/702658/GLYCERYL_STEARATE_SE/](#)>.

"Golden banner." OP. N.p., n.d. Web. 17 Mar. 2014. <<http://www.optometryonwest44th.com/>

[about-us.html](#)>.

"How to Apply Eyeliner: 10 Looks for Beginners and Pros." Total Beauty. N.p., n.d. Web. 17 Mar.

2014. <<http://www.totalbeauty.com/content/gallery/eyeliner-tutorial/>>.

"How to Apply Gel Eyeliner." Wikihow. N.p., n.d. Web. 17 Mar. 2014. <<http://www.wikihow.com/>

[Apply-Gel-Eyeliner](#)>.

"Kohl Pencil Eye liner." Propergorgeforless. N.p., n.d. Web. 17 Mar. 2014.

<<http://propergorgeforless.wordpress.com/2013/04/02/all-about-eye-liner/>>.

"Maybelline Eye Studio Lasting Drama Gel Eyeliner No: 06 Black Pink Diamonds." Eon. N.p., n.d. Web.

17 Mar. 2014. <<http://www.eonkozmetik.com/Goz/>

[Maybelline-Eye-Studio-Lasting-Drama-Gel-Eyeliner-No-06-Black-Pink-Diamonds.aspx](#)>.

"Our Best Makeup Tips To Take You From Dusk To Dawn." Bergdorfgoodman. N.p., n.d. Web. 17 Mar. 2014.

<<http://blog.bergdorfgoodman.com/womens-style/>

[our-best-makeup-tips-to-take-you-from-dusk-to-dawn](#)>.

"Parts of the eyes." Imgarcade. N.p., n.d. Web. 17 Mar. 2014. <<http://imgarcade.com/1/>

[waterline-eyeliner-diagram](#)/>.

"The Right Way to Apply Eyeliner." Skin Sheen. N.p., n.d. Web. 17 Mar. 2014.

<<http://www.skinsheen.com/skin-the-right-way-to-apply-eyeliner-2098.aspx>>.

"Rimmel Exaggerate Liquid Eyeliner." All You Need Is Lists. N.p., n.d. Web. 17 Mar. 2014.

<<http://allyouneedislists.com/lifestyle/5-of-the-best-liquid-eyeliners/>>.

Musics

'Fingers' by P!nks