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| Related image | ENG211 Note-taking & synthesizing task: **“Erase Memories to achieve your own Eternal Sunshine”** |



Source: https://www.youtube.com/watch?v=[z2ysEuFHH6I](https://www.youtube.com/watch?v=z2ysEuFHH6I)

* **Listen to NYU bioethicist “Matthew Liu’s talk about erasing memories and take notes under the headings below. You will, then, be given some questions to answer using your notes.**

**Note-taking Headings**

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| **Examples of bad memories** |
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| **Definition of memory** |
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| **How memories are formed and how to manipulate them** |
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| **The limitation related to the memory modification** |
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| **Ethical concerns for the future** |
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| **Harm to self** |
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| **Harm to others** |
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| **Liu’s opinion about the memory modification** |
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* **Now answer the questions below using your notes.**
1. One example given by Liu related to bad memories.
2. What is memory?
3. How does the drug propranolol, a beta blocker, work in the process of memory erasing?
4. Apart from propranolol \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an important chemical in recalling and reconsolidation process. If there is too much of this chemical, reconsolidation will be disrupted.
5. What is the biggest limitation related to memory modification?
6. Give an example of how memory modification harms oneself.
7. Give an example of how memory modification harms to others.
8. What is Matthew’s opinion about memory modification?
* **Synthesizing:**

Write 1-2 sentence. Compare/Contrast ideas of Liu\* and Gutierrez\*\* on the disadvantages of using memory modification.

*\*speaker; \*\*writer, (course book, page 5)*

**ANSWER KEY**

1. **Any of the following:**

Being hit by a drunk driver and your legs are crushed

Being addicted to heroin

A fellow soldier gets blown up next to you

1. **Any one of the following:**

Memory is a system for storing and recalling experiences

Experiencing certain events and a set of a network of neurons are activated when we recall these events these neurons get reactivated

A network of neurons being reactivated

1. **Any of the following:**

Weakens the emotional strength

Weakens the storage process

The memory is not stored in the long term memory

Affecting the recall of the memory by excess protein

1. Protein.
2. If you delete one memory you can delete others.
3. **Any of the following:**

You can change what you believe to be true about the world and yourself

You can create a falsehood/false self/ Living in falsehood.

It will affect the way you react to certain moral/ethical issues

It will affect the way you do your certain duties

1. You can feel less guilty when you commit a crime.
2. As long as memory modification does not harm others it is ok to use it.