***Memory Webquest NAME:***

Go to the website Exploratorium: The Memory Exhibition (<http://www.exploratorium.edu/memory/index.html>). Under Features, click on Sheep Brain Dissection: The Anatomy of Memory and answer the questions below as you read through the slides. To move to the next slide, click next on the left hand side. Do not copy and paste; answers taken word for word will not be considered. You may type on this document.

1. What is the cortex of the brain? What does it contain? What is its function?
2. What is working memory?
3. What is long term memory?
4. What is the prefrontal cortex and its responsibility in memory function?
5. What is the hippocampus and its responsibility in terms of memory function?
6. What is the cerebellum and its responsibility in terms of memory function?

Go to [www.differencebetween.net/science/health/difference-between-grey-and-white-matter](http://www.differencebetween.net/science/health/difference-between-grey-and-white-matter)

1. What is the function of grey matter related to memory?
2. What is the function of white matter related to memory?

Go to Human Memory Disorders [www.human-memory.net/disorders.html](http://www.human-memory.net/disorders.html)

Click on Memory Disorders-boxes will expand as you type **(PICK ONE)**

|  |  |  |
| --- | --- | --- |
| **Alzheimer’s Disease** | **Amnesia** | **Korsakoff’s Syndrome** |
| Definition | Definition | Definition |
| Symptoms | Symptoms | Symptoms |
| Who/when | How | Who/how |
| Brain part affected | Brain part affected | Brain part affected |
| Cure/prevention | Cure/prevention | Cure/prevention |
| How long lasting | How long lasting | How long lasting |

Play Memory Games: The Memory Exhibition (<http://exploratorium.edu/memory/>). Under Online Exhibits, click on Don’t Forget!. ..Playing Games with Memory.

1. First game – Memory Solitaire. How did you do? Did you expect to do better or worse?
2. Click the Continue button and read about how you can improve your memory in the section Ways to Remember. What does elaborative encoding mean?
3. Second Game/Activity-“Tell Yourself a Story”. What happened? Why does making up a story help you remember things better and for longer?
4. Third Activity-What’s Going On? Besides connecting the things and picturing them in your mind, what other memorization trick did you use in this game?
5. Fourth Activity-Common Cents. What does this activity teach us about memory?
6. Fifth Activity- If You’re Going to Rob a Bank. What does this teach you about remembering faces?