

Unit Two Extra Credit  
The Neuroscience of Memory  
by Eleanor Maguire

- 1 What organ allow us to travel forward in time?
- 2 What is an example of short term memory?
- 3 What is an example of long term memory?
- 4 What type of memory is about ourself?
- 5 What is not the Hollywood version but the true condition of someone with amnesia? What may they remember?
- 6 When is your “memory working the best”? What is needed?
- 7 Is memory a faithful record of the past?
- 8 What type of operation did Henry Molaison require? Why? The outcome?
- 9 What brain structure must be intact in order to have autbiographical memories?
- 10 What are place cells? Where are they located? Function?
- 11 In a driving simulation video, what is the player doing when their hippocampus “turns on”?
- 12 If you train to become a London taxicab driver, what happens to the hippocampus? What segment?
- 13 What two dissimilar cognitive functions ae preformed by the hippocampus?
- 14 Do people with damage to their hippocampus “create scenes with their brains”?
- 15 What is the significance of the ability to create scenes with your brain?
- 16 What is the significance of “boundary extension”? Why do we have this capacity? What does it cause to happen to our formation of new memories?
- 17 What is the actual purpose of our memories? What do we use them for?
- 18 What did Kant say in 1798 about memories?
- 19 What did the White Queen in Through the Looking Glass, by Lewis Carroll in 1871 have to say about memory?