**Note:** When using these study guides for preparation for exams, keep in mind you will not only need to understand the definition of the terms, you will also need to apply them to real-life examples.

Ch.12
Know what associative learning is
Know what sensitization & habituation are
Understand the following brain structures’ relationships with memory: basal ganglia, cerebellum, temporal lobe, hippocampus, cortex
Understand the different types of long-term memory (LTM): semantic, procedural (implicit), episodic, explicit (declarative)
Understand anterograde amnesia as it relates to the memory systems
Know what retrograde amnesia is
Understand the case studies of HM (in the text) & Jeremy (in the movie) as they apply to memory
Know the research on preventing age-related memory deficits
Know what neurotransmitter is most implicated in memory
Understand the research on Alzheimer’s Disease (factors related to, prevention, what it is)
Know what long-term potentiation is & what memory system it is associated with

Ch.16
Know the different symptoms & types of schizophrenia
Know the concordance rates of schizophrenia
Know the possible causes of schizophrenia
Know what other disorder major depression is correlated with
Understand the biological differences between Bipolar Disorder (BD) & Major Depression
Know the symptoms of BD & Major Depression
Know the research on depression & the two hemispheres
Know the neurotransmitters & hormone associated with mood disorders
Know how SSRI’s & MAOI’s work
Know the research on aerobic exercise & depression
Know what disorder has been implicated with high levels of creativity
Understand the role of sleep with mania
Understand the use of ECT
Know the effects of treatments for OCD
Know the brain structures involved in autism & ADHD
Know what low levels of frontal lobe activity is associated with