Chapters 6 and most of 7: Cognition STUDY GUIDE

The following is a list of terms and people for the cognition chapter- many we will cover in class. It is *not* an exhaustive list of terms for this chapter—your book provides you with additional vocabulary that you will need. Consider it a guideline for key terms, especially if you have been absent. Start identifying them NOW! Maybe make flashcards?!

**Key Terms**

**Memory**

Amnesia (Retrograde and Anterograde) and Infantile amnesia

Encoding (sensory memory)

 Iconic

 Echoic

 Tactile

 Olfactory

 Gustatory

Storage

Retrieval

Selective attention and Divided attention

Information Processing Model of Memory/Atkinson-Shiffrin Model

Baddeley’s Updated version of Working Memory

Chunking

Maintenance Rehearsal

Elaborative Rehearsal

Levels-of-Processing Model (deep vs. shallow)

Consolidation

Magic Number 7 (+ or – 2)

Parallel distributed processing

Serial Position effect/ Primacy - Recency effect

Neuroanatomy of Learning (cerebellum, hippocampus, amygdala, cerebral cortex, long-term potentiation, engram AKA memory trace)

Eidetic memory

Varieties of LTM:

 Declarative/Explicit (semantic, episodic)

 Non Declarative/Implicit/procedural (includes priming, habits, and classical/operant conditioning)

 Prospective memory

Recall vs. Recognition

Mood-congruent memories

Flashbulb memories

Encoding Specificity principle

Ebbinghaus’ Forgetting Curve

Theories of Forgetting

 Decay theory

 Interference theory

 Proactive interference

Retroactive interference

 Motivated forgetting

Seven Sins of Memory (transience, absent-mindedness, blocking, misattribution, suggestibility, bias, and persistence,)

Constructive processing

Misinformation effect

Framing

TOT phenomenon

Mnemonic devices

Method of Loci

Peg method

**Language Acquistion**

Language Acquisition Device Linguistic relativity hypothesis

Grammar

Morphemes

Phonemes

Overregularization

Babbling

Telegraphic Speech

**Key Terms Continued**

**Thought**

Hierarchical storage

Superordinate –the general or abstract concept **Example - automobile**

Basic – more specific example of the superordinate concept **Example -** **truck**

Subordinate – the most specific example of concept **Example – Chevy 1500**

Schema

Script

Convergent thinking

Divergent thinking

**Problem Solving and Obstacles**

Expectancy bias

Self-consistency bias

Mental set

Functional Fixedness

Confirmation Bias

Heuristics

 Representativeness

 Availability

Overconfidence

Hindsight bias

Algorithms

Prototype

Concept

Script

Schema

Belief bias

**Key People**

H.M.

Clive Wearing

Hermann Ebbinghaus

Noam Chomsky

Benjamin Whorf

Elizabeth Loftus

Genie