

## STUDY GUIDE EXAM 2

- I. TEXTBOOK CHAPTERS: 6-only the brain section, 5-Infact Capacities, 10-Language Development and Music and Cognition article.
- II. Shenk Ch. 2

*(These are key concepts and by no means is an exhaustive list)*

### **Chapter 6 The Development of the Brain**

- Neuron
  - 5 Phases of Neurodevelopment
  - Neuron Proliferation
- Dendrite
- Synapses
  - Synaptogenesis
- Axon
- Myelin
- Early Studies of Experience and Brain Development: Kitten study
- Plasticity
- Prefrontal cortex: Orbital Frontal cortex and dorsolateral cortex
- Amygdala
- Thalamus
- **KNOW HW ASSIGNMENT : MUSIC and COGNITION**

### **Chapter 5: Infant Capacities**

Key Terms:

- Infant Perception: Frantz work
- Habituation–Dishabituation procedure
- Haptic Perception
- Visual acuity
- Perception of Faces, Perceptual Narrowing
- Size constancy

- Methods for audition; Cat in the Hat study
- Visual cliff
- Intermodal Perception-or cross-modal perception—dog study; sight and touch study  
Bushnell

### **Chapter 10: Language Development**

- Phoneme
- Phonology
- Learning approach
- Nativist approach
- Interactionist approach
- Stages of language development
- Sensitive Periods
- Condition Head turn task

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**POSSIBLE ESSAY QUESTIONS FOCUSED BROADLY SHENK’S CHAPTER 2: Intelligence is a Process; Not a Thing.** You will be asked to write a 5-8 sentence essay answering 1 of the 2 essay questions integrating the textbook chapter and Shenk’s book.

As we have learned in this section of the course, taking advantage of the early development of children is critical to shaping a child development.

1) Describe brain plasticity and relate this concept to the Headstart study discussed in Chapter 2 of Shenk. You may note other topics covered in class, but to receive full points, you must be able to articulate Shenk’s discussion of the Abecedarian project. Please limit your responses to one paragraph

2) Imagine that you had the opportunity to create the “perfect” environment for learning language. What would this environment look like? At what age would this best? Why? To receive full points, you must add supporting evidence drawn from the Shenk's Chapter 2.

*I am looking for demonstrated mastery of appropriate terminology.*