

Unit 6: Cognition ~ Study Guide

MEMORY

ENCODING

Rehearsal
Visual, acoustic &
semantic (meaningful)
encoding
Mnemonic device
Chunking
Iconic vs. echoic
Effortful vs. automatic
processing
Spacing effect
Serial position effect

STORAGE

Capacity of STM

RETRIEVAL

Flashbulb memory
Explicit & implicit
memories
Rosy retrospection
Recognition vs. recall
Mood-congruent
Priming
Method of loci
Memory construction
Misinformation effect
Context effects
Déjà vu
Retrieval cues
False memories
(Loftus)

FORGETTING

Encoding failure
Amnesia – retrograde/anterograde
Repression
Retroactive & proactive interference
Ebbinghaus' forgetting curve

NEUROLOGICAL BASIS OF MEMORY

Long-term potentiation
Alcohol's effect on memory
Epinephrine's effect on memory
Hippocampus
Synaptic changes as result of learning

LANGUAGE

Skinner's language acquisition theory
Chomsky's language acquisition theory

Whorf's linguistic relativity hypothesis
Critical period
Babbling period
One-word stage

Bryson's AP Psych

Two-word stage
Semantics
Syntax

Morphemes
Phonemes
Lexicon
Overgeneralization

REVIEW

HISTORY & APPROACHES + RESEARCH (Unit 1)

Evolutionary perspective
Cognitive perspective
Social-Cultural perspective
Behavioral perspective – based on
observable behaviors

Humanistic perspective
Psychodynamic perspective
Neuroscience perspective

Independent variable vs. Dependent
variable
Replication
Random sample vs. Random assignment
Correlation does not equal causation

Correlation Coefficients
Illusory correlation
False consensus effect
Overconfidence

BIOLOGICAL BASES OF BEHAVIOR (Unit 2)

Myelin sheath
Sympathetic vs. parasympathetic
Endorphins
Association Areas
Reticular formation
4 lobes of the brain and cortices
Amygdala

Dopamine vs Serotonin
ACh
Split brain
The firing of a neuron
Pain/gate control theory
Parts old brain and limbic system

SENSATION & PERCEPTION (Unit 3)

Parallel processing
Sensory interaction
Bottom-up processing
Accommodation
Absolute threshold

Difference threshold
Opponent-process theory of color vision
Negative after-images
Trichromatic theory of color vision
Gestalt Principles

Bryson's AP Psych

Monocular and binocular cues
Sensation

Transduction of the Eye and Ear
Perceptual/size/color constancy

STATES OF CONSCIOUSNESS (Unit 4)

Circadian Rhythm
Stimulants vs depressants
Effects of LSD, cocaine, barbiturates, alcohol,
Heroin, caffeine, nicotine, amphetamines
Sleep cycles and body temp

Learning (Unit 5)

NS – UCS- UCR- CS- CR
Spontaneous recovery
Skinner and Watson
Taste aversion
Schedules of reinforcement
Bandura/Modeling