

Unit VII Cognition Study Guide

Module 31: Studying and Building Memories

Studying Memory

31-1 What is Memory?

Memory: Def:

Ex:

Memory Models

31-2 How do Psychologists describe the human memory system?

Information-Processing Model

1. Encoding: Def:

Ex:

2. Storage: Def:

Ex:

3. Retrieval: Def:

Ex:

Parallel Processing: Def:

Ex:

Atkinson and Shiffrin's Model

1. Sensory Memory: Def:

Ex:

2. Short Term Memory: Def:

Ex:

3. Long Term Memory: Def:

Ex:

WORKING MEMORY: Def:

Ex:

Building Memories and Encoding

Dual-Track Memory: Effortful Versus Automatic Processing

31-3 How do explicit and implicit memories differ?

Automatic Processing and Implicit Memories

31-4 What information do we automatically process?

Effortful Processing and Explicit Memories

Explicit Memories: Def:

Ex:

Effortful Processing: Def:

Ex:

Implicit Memories: Def:

Ex:

Automatic Processing: Def:

Ex: (3 examples found under 31-4)

1.

2.

3.

SENSORY MEMORY

31-5 How does sensory memory work?

Iconic Memory: Def:

Ex:

Echoic Memory: Def:

Ex:

CAPACITY OF SHORT-TERM AND WORKING TERM:

31-6 What is the capacity of our short-term and working memory?

Def:

Ex:

EFFORTFUL PROCESSING STRATEGIES

31-7: What are some effortful processing strategies that can help us remember new information?

Chunking: Def:

Ex:

Mnemonics: Def:

Ex:

Hierarchies: Def:

Ex:

DISTRIBUTED PRACTICE

Spacing Effect: Def:

Ex:

Testing Effect: Def:

Ex:

LEVELS OF PROCESSING

Shallow Processing (Visual & Acoustic): Def:

Ex:

Deep Processing (Semantic Encoding): Def:

Ex:

MAKING MATERIAL PERSONALLY MEANINGFUL:

Def:

Ex:

Module 32: Memory Storage & Retrieval

Explicit-Memory System: Frontal Lobes & Hippocampus

Frontal Lobes: Def:

Ex:

Hippocampus: Def:

Ex:

Implicit Memory System: The Cerebellum and Basal Ganglia

Cerebellum: Def:

Ex:

Basal Ganglia: Def:

Ex:

The Amygdala, Emotions & Memory

Amygdala: Def:

Ex:

Flash Bulb Memories: Def:

Ex:

Synaptic Changes: Def:

Ex:

Long Term Potentiation: Def:

Ex:

Additional Examples of Effortful Processing:

Additional Examples of Automatic Processing:

Retrieval: Def:

Ex:

Measuring Retention: Def:

Recall: Def:

Ex:

Recognition: Def:

Ex:

Relearning: Def:

Ex:

Retrieval Cues: Def:

Priming: Def:

Ex:

Context Dependent Memory: Def:

Ex:

State Dependent Memory: Def:

Ex:

Mood Congruent: Def:

Ex:

Serial Position Effect: Def:

Recency Effect: Def:

Ex:

Primacy Effect: Def:

Ex:

Module 33 Forgetting, Memory Reconstruction, & Memory Improvement

33-1

Forgetting: Def:

Ex:

Anterograde Amnesia: Def:

Ex:

Retrograde Amnesia: Def:

Ex:

Encoding Failure: Def:

Ex:

Storage Decay: Def:

Ex:

Retrieval Failure: Def:

Ex:

Interference: Def:

Proactive Interference: Def:

Ex:

Retroactive Interference: Def:

Ex:

Motivated Forgetting: Def:

Ex:

Repression: Def:

Ex:

33-2

Memory Construction Errors: Def:

Misinformation Effect: Def:

Ex: Elizabeth Loftus's Study

Imagination Inflation: Def:

Ex:

Source Amnesia: Def:

Ex:

Deja Vu: Def:

Ex:

Discerning True & False Memories: Def:

Ex:

33-3

Children's Eyewitness Recall: Def:

Ex:

Repressed or Constructed Memories of Abuse

1.

2.

3.

4.

5.

6.

7.

33-4

Improving Memory

1.

2.

3.

4.

5.

6.

7.

Module 34 Thinking, Concepts, & Creativity

Cognition: Def:

Ex:

Concepts: Def:

Ex:

Prototypes: Def:

Ex:

Creativity: Def:

Ex:

Convergent Thinking: Def:

Ex:

Divergent Thinking: Def:

Ex:

Robert Sternberg's Five Components of Creativity

1.

2.

3.

4.

5.

Fours ways to boost Creativity

1.

2.

3.

4.

Module 35 Solving Problems & Decision Making

Problem Solving Strategies

Algorithms: Def:

Ex:

Heuristics: Def:

Ex:

Insight: Def:

Ex:

Problem Solving Obstacles

Confirmation Bias: Def:

Ex:

Mental Set: Def:

Ex:

Forming Good and Bad Decisions and Judgments

Intuition: Def:

Ex:

Heuristics: Def:

Ex:

Representative Heuristics: Def:

Ex:

Availability Heuristics: Def:

Ex:

Overconfidence: Def:

Ex:

Fear Factor: Why we fear the wrong things

1.

2.

3.

4.

Belief Perseverance

Framing

1.

2.

3.

The Perils & Powers of Intuition

1.

2.

3.

Module 36 Thinking & Language

Language: Def:

Ex:

Phonemes: Def:

Ex:

Morphemes: Def:

Ex:

Grammar: Def:

Ex:

Syntax: Def:

Ex:

Semantics: Def:

Ex:

Language Development

Receptive Language: Def:

Ex:

Productive Language: Def:

Ex:

Babbling stage: Def:

Ex:

One-word stage: Def:

Ex:

Two-word stage: Def:

Ex:

Telegraphic Stage: Def:

Ex:

Explaining Language Development

Statistical learning: Def:

Ex:

Critical Periods: Def:

Ex:

The Brain & Language

Aphasia: Def:

Ex:

Broca's Area: Def:

Ex:

Wernick's Area: Def:

Ex:

How does language work?

Language & Thought

Linguistic Determinism: Def:

Ex:

It pays to increase your word power

Bilingual Advantage: Def:

Ex:

Thinking in Images: Def:

Ex: