Module 31: Studying and Building Memories

STUDYING MEMORY

Memory

What are the two extremes of memory recall ability?

MEMORY MODELS

The Three Parts of an information-processing model:

1.
2.
3.

Parallel Processing

Atkinson and Shiffrin's three stage model

1.
2.
3.

Figure 31.2 Copy the figure, label the parts and then explain in the space below

Working Memory

Building Memories: Encoding

Explicit memories

Effortful processing

Automatic processing

Implicit memories

Automatic Processing:

Procedural memory

Conditioned associations

What three things do we unconsciously automatically process?

1.

2.

3.

Effortful and Explicit Memories

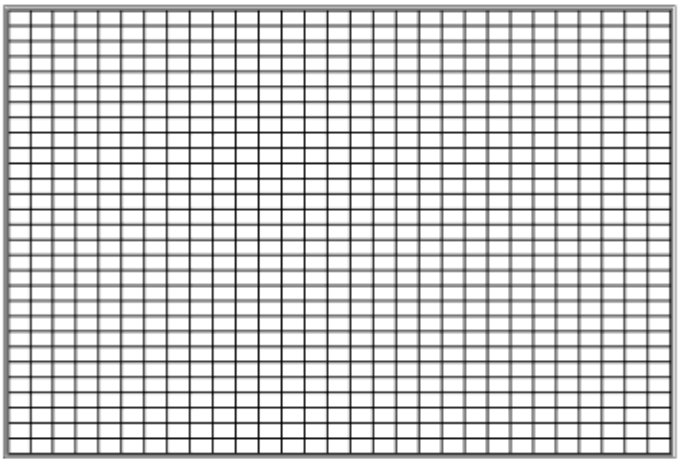
Sensory memory

Iconic memory

Echoic memory

CAPACITY OF SHORT TERM AND WORKING MEMORY

Figure 31.6 Short Term Memory Decay. Copy the chart and explain in the space on the right



EFFORTFUL PROCESSING STRATEGIES

Chunking

Mnemonics

Hierarchies

Spacing Effect

Testing Effect

LEVELS OF PROCESSING

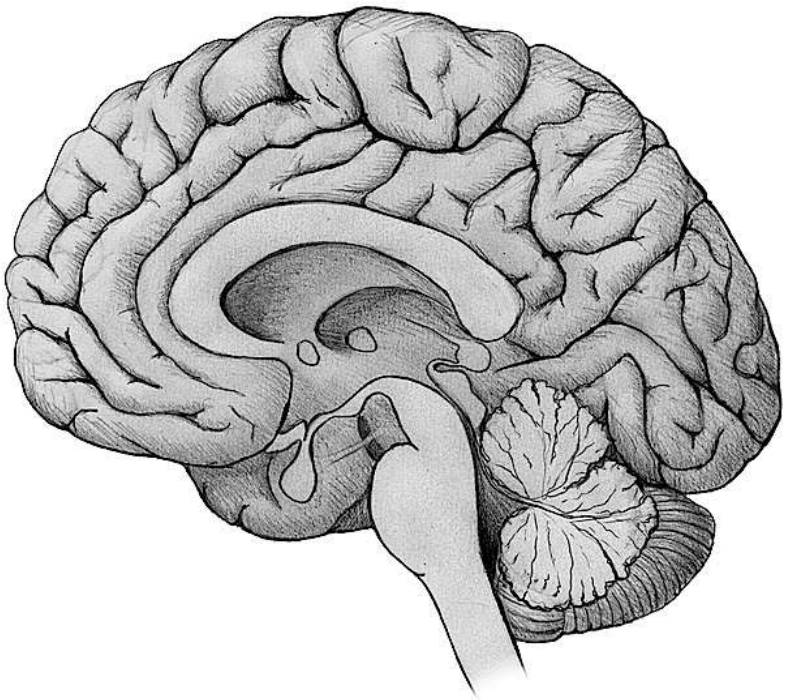
Shallow processing

Deep processing

Module 32: Memory Storage and Retrieval

For this module, fill in the table and label the appropriate parts on the brain

Parts of the Brain	Role in Memory
Hippocampus	
Cerebellum	
Basal Ganglia	
Amygdala	



THE AMYGDALA, EMOTIONS AND MEMORY

Flashbulb memories

SYNAPTIC CHANGES

Long—term potentiation

Effects of electric current through the brain

Copy Figure 32.5 in the space below

Memory Processing

Retrieval: Getting Information out

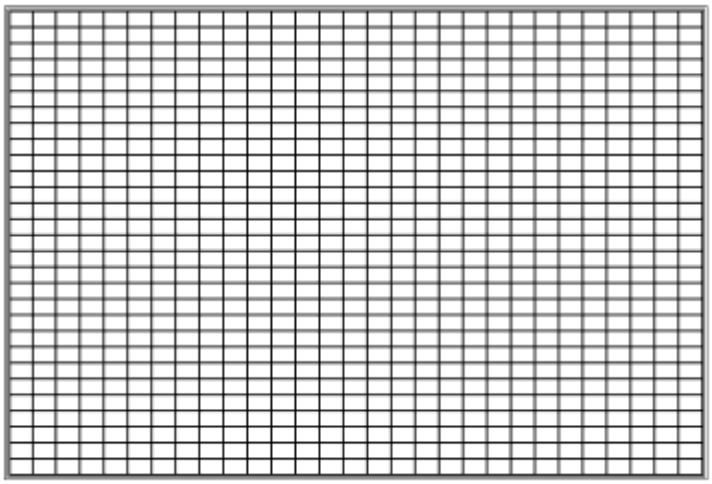
What are three measures of retention?

1.

2.

3.

Copy Figure 32.6 and explain Ebbinhaus' retention curve



RETRIEVAL CUES

Priming

Context dependent memory

State-dependent memory

Mood congruent

Serial position effect