CHAPTER 6

Processing Information from Lectures
Modeling the Learning Process

4 Basic Functions the Brain Uses for Learning

- Getting Information
- Making Meaning of Information
- Creating New Ideas
- Acting on Those Ideas
Learner \textit{Begins as Receiver} of Knowledge
Gathering Information Enters through Senses

- Can you remember four things that influence this gathering?
- Interest
- Intent
- Basic Background (prior knowledge)
- Understanding
Gathering takes place in the sensory cortex
Note Taking

Gathering

You discovered:

• Ways to take notes
• You gathered information by taking notes is class
Analyzing to Make Meaning

REFLECTION

• Try to make personal
• Try to determine connection to past experiences
• Try to discover relevance and usefulness
• Try to discover what it's like that we already know.
Analyzing takes place in the Back Integrative cortex
Note Taking
Analyzing

• You analyzed your notes
• Wrote questions in the margin
• Looked for connections
Creating
Convert comprehension to

• Ideas
• Hypothesis
• Plans
Note Taking
Creating

• You reflected and reviewed your notes and questions and predicted possible test questions involving higher level thinking skills.
Creating Takes Place in the front integrative cortex
Acting Testing Ideas

• Writing
• Speaking
• Drawing
• Can you think of other ways?
Acting Takes Place in the Motor Cortex
Note Taking
Acting

You developed:
• Summary sheets
• Maps
• Power Points
• Practice Tests
Learner becomes **Producer** of knowledge