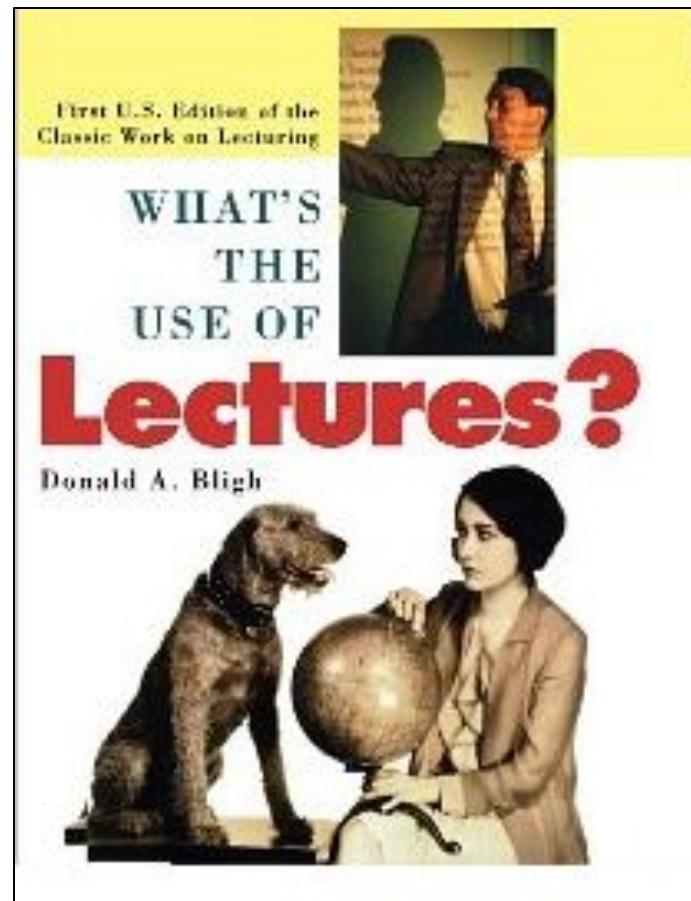
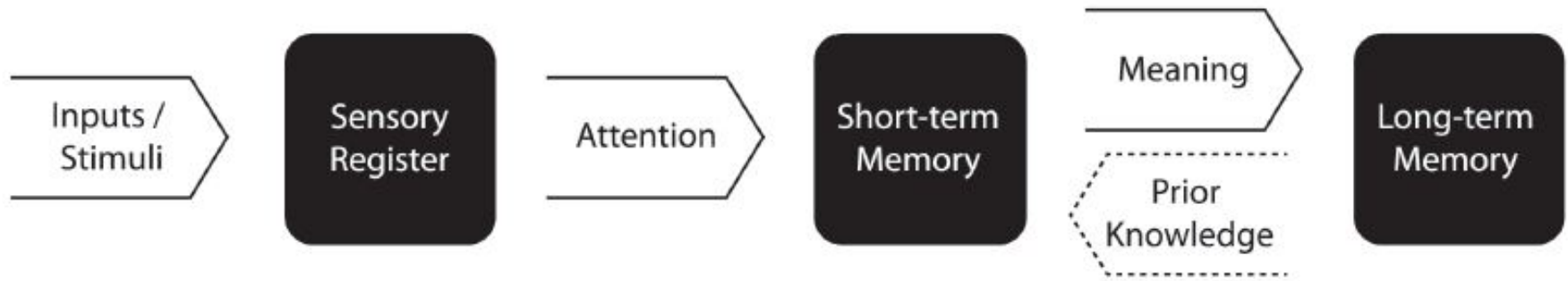


A Presentation about Presentations

Lessons from Cognitive Psychology

Presentations are best for providing information to a receptive audience with adequate prior knowledge.

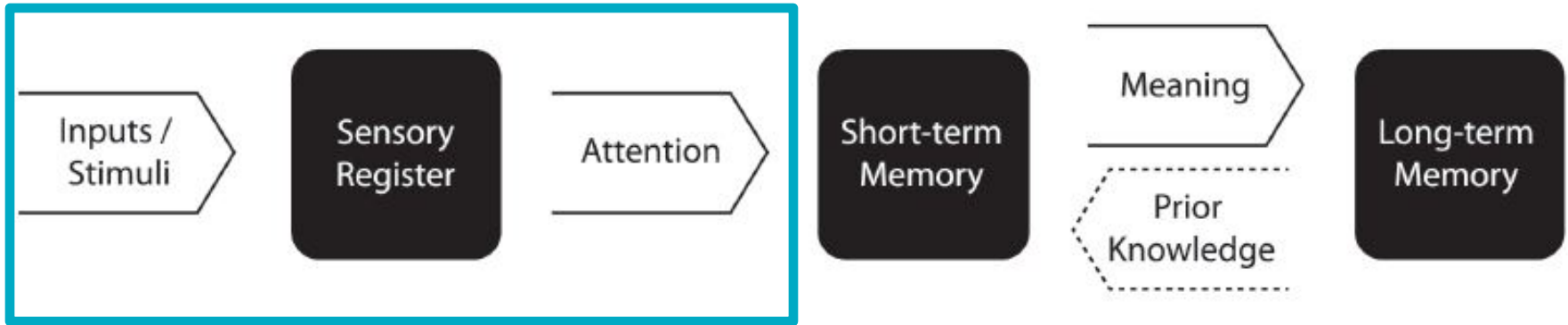




Attention

Information
Processing

Memory



Attention

Information
Processing

Memory

Students can't learn unless they are paying attention.



selective attention test

profsimons



Subscribe

11 videos ▾

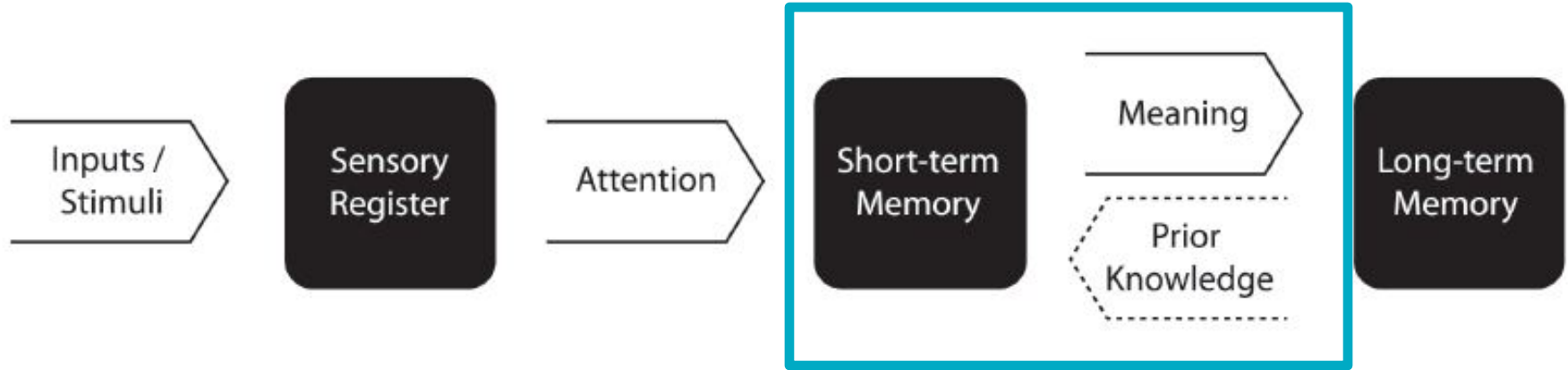


Multitasking is a myth.



Attention Rules:

- ✓ gain attention
- ✓ help focus attention
- ✓ don't compete with distractions
- ✓ don't overload the system



Attention

Information
Processing

Memory

GBY

QDP

LZV

IBM

FBI

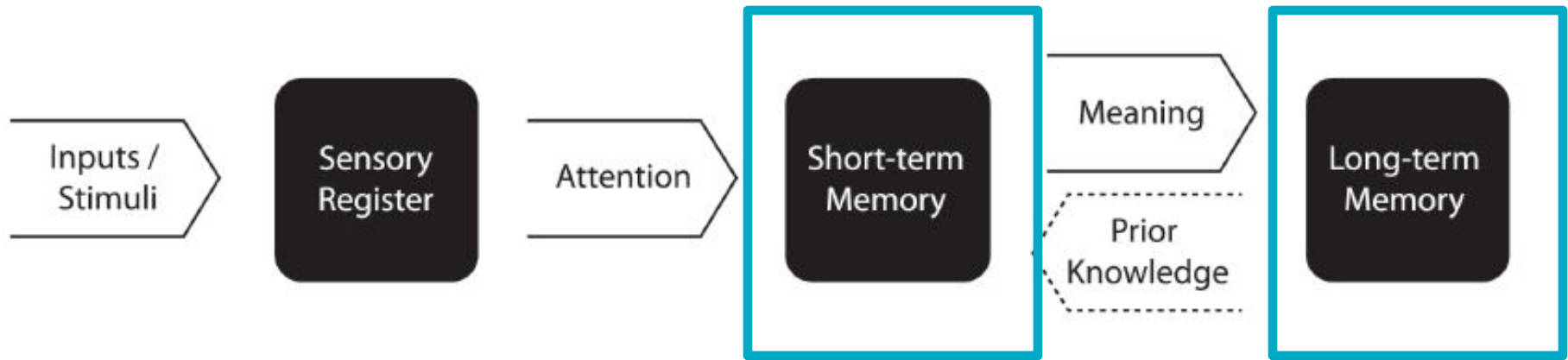
IOU

A 2 B 3

BEER 31 COKE 17

Information Processing Rules:

- ✓ explore prior knowledge of audience
- ✓ recognize that interpretations occur
- ✓ help students discover patterns and meaning
- ✓ present information in context
- ✓ actively involve students in processing info

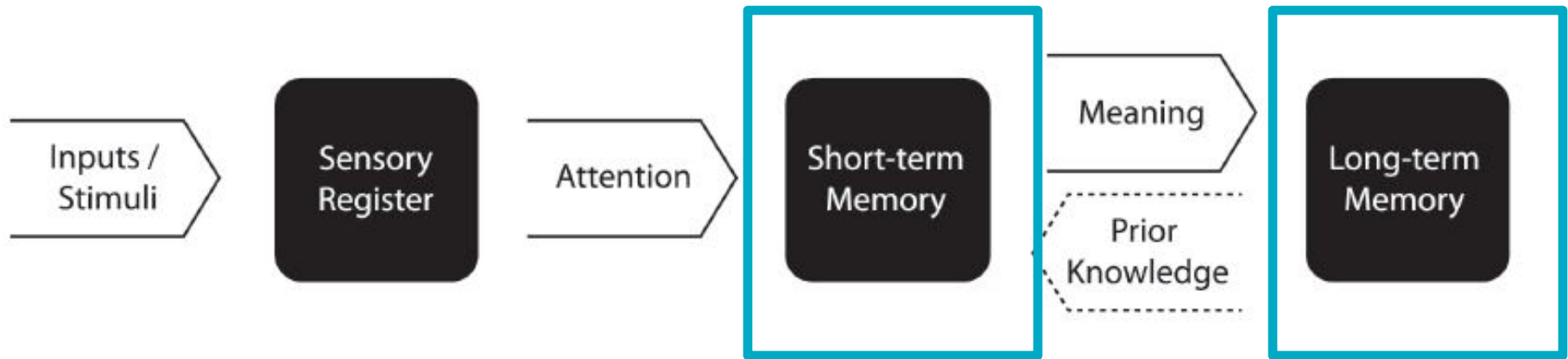


Attention

Information
Processing

Memory

$$7 \pm 2$$



Attention

Information
Processing

Memory

Makes sense? Has meaning?



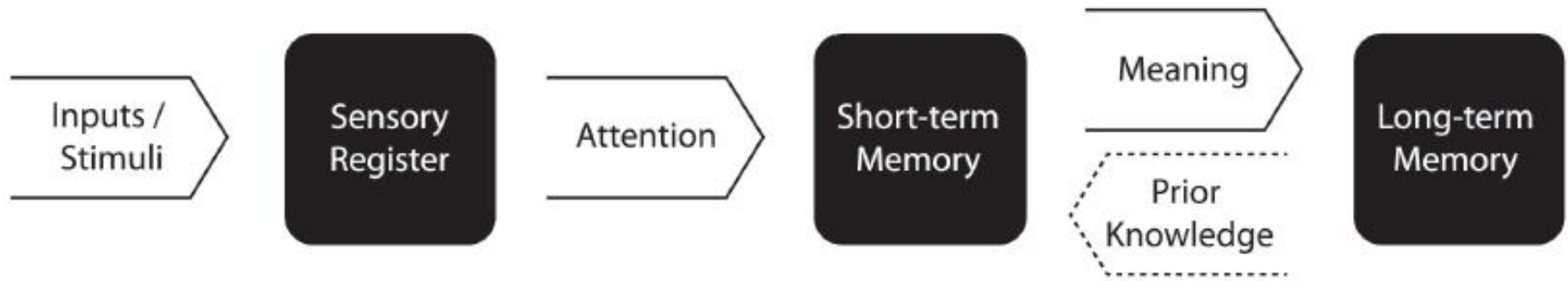
Emotions



Survival

Memory Rules:

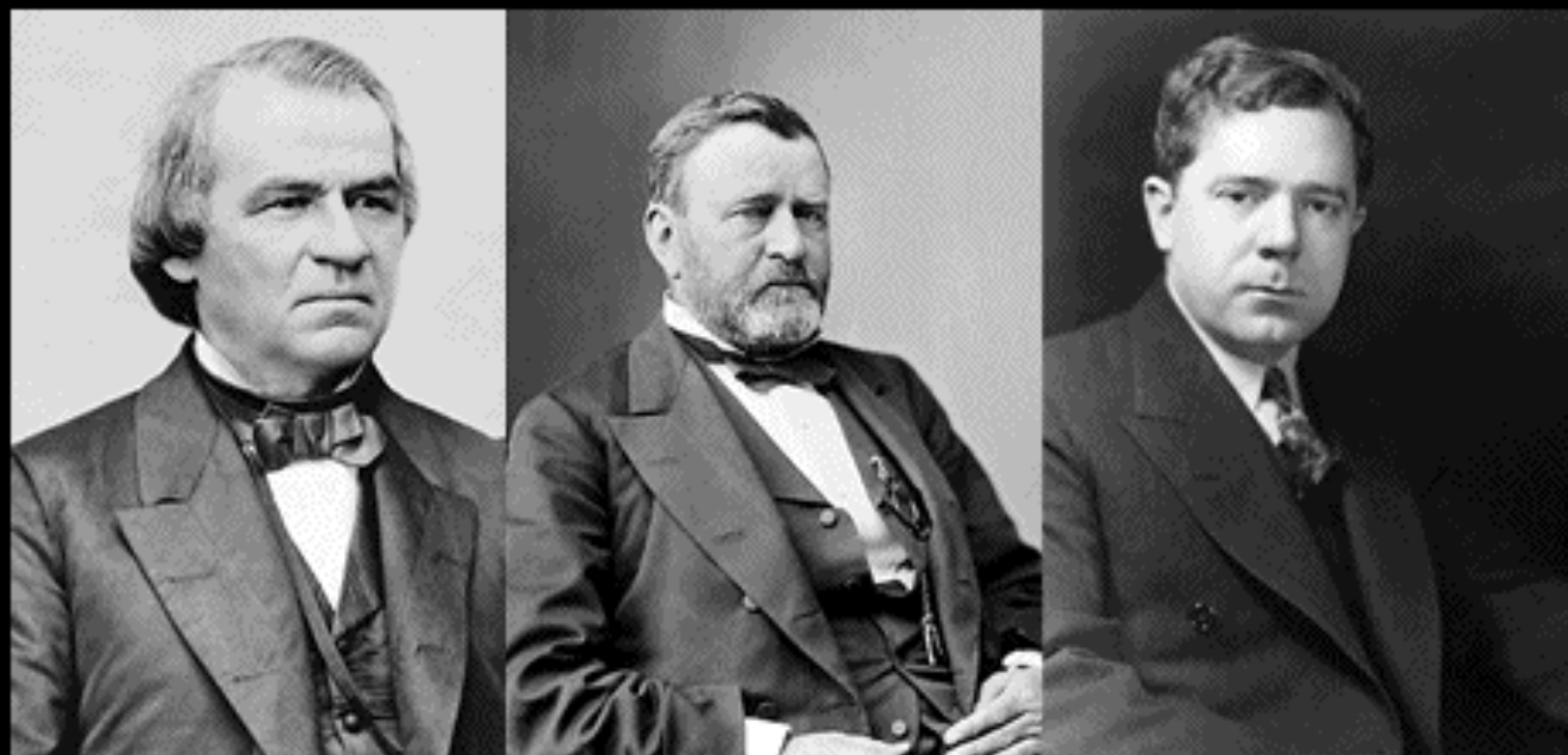
- ✓ allow short term memory to work
- ✓ recognize there is no automatic memory
- ✓ provide assistance to long-term memory
 - ✓ Make sense and meaning in an emotionally supportive environment
 - ✓ memory aids when necessary



Attention

Information
Processing

Memory



Power Corrupts

PowerPoint corrupts absolutely ... IF you let it

Assertion-Evidence Structure

Melissa Marshall

Pennsylvania State University

Each slide should contain an assertion,
written at the top in a complete sentence.

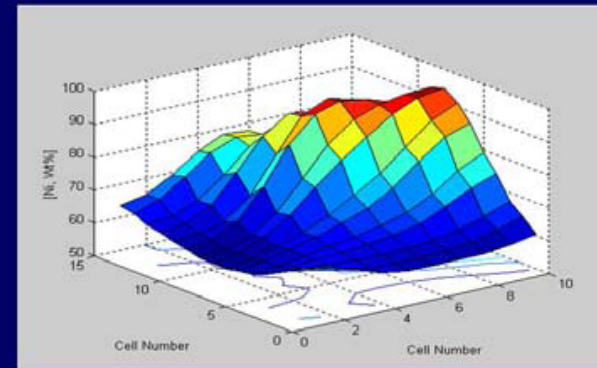
Each slide should contain visual evidence to support the assertion.

Order of Analysis

- Orbiter assessment of ascent debris damage includes
 - Evaluation of potential for debris to damage tile and RCC
 - ♦ Program “Crater” is official evaluation tool
 - Available test data for SOFI on tile was reviewed
 - No SOFI on RCC test data available
 - ♦ Even for worst case, SIP and densified tile layer will remain when SOFI is impactor
 - Thermal analysis of areas with damaged tiles
 - ♦ Thermal analysis will predict potential tile erosion and temperatures on structure
 - Structural assessment based on thermal environment defined above
 - ♦ Basis is previous Micrometeoroid and Orbital Debris (M/OD) study performed in 1996



A higher weight percentage of Nickel results in higher resistance to corrosion



Assertion-evidence slides led to better comprehension and recall of more complex concepts

42%

Essays

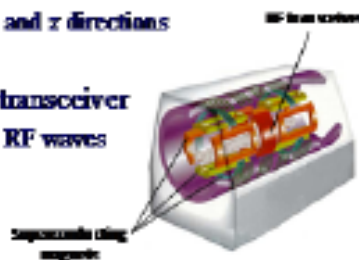
59%

When RF Waves Cease

When RF Waves Are Applied

Main Components of MRI

- Superconducting magnets
 - Magnetic fields in x, y, and z directions
 - Allow for 3-D images
- Radio frequency (RF) transceiver
 - Transmits and receives RF waves

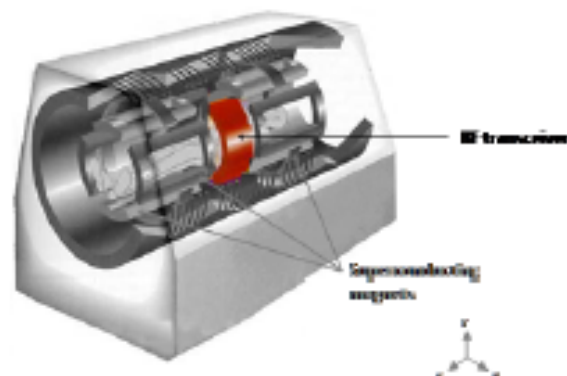


Engineering and Health

When the RF wave ceases, the magnetic field forces atoms to realign and release energy

Applied RF waves add energy to hydrogen atoms, causing some to fall out of alignment with the magnetic field

The main components of an MRI machine are the magnets and the radio frequency (RF) transceiver



$p < .001$