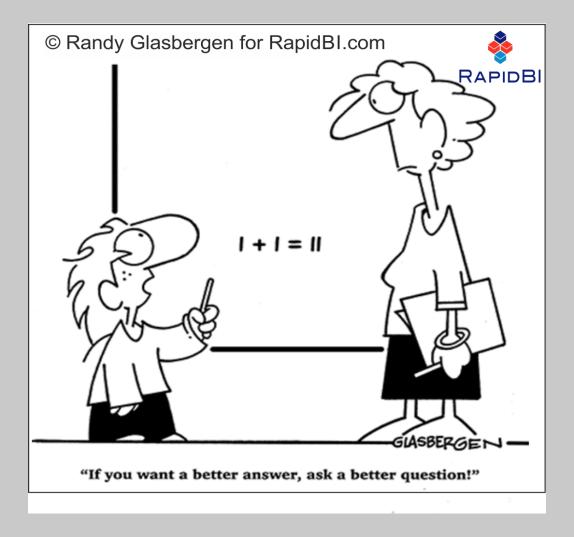
Hi... My name is...

Did you read by bio?



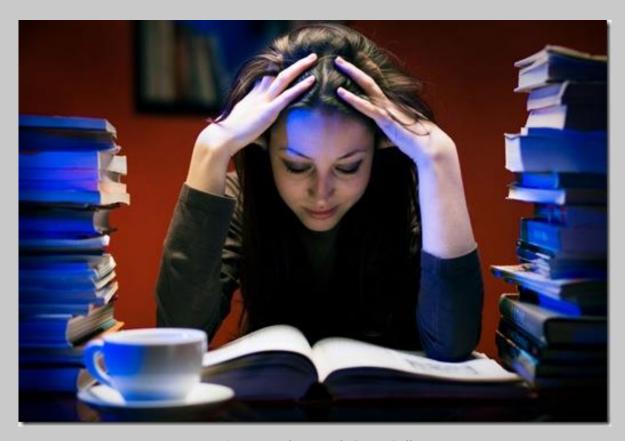
The Art of the Question



Today's Goals

- 1. What's the Problem (and who is to blame)?
- 2. Why is this such a problem (see #1)?
- 3. What does "the art of the question" have to do with any of this?
- 4. Laugh!!!!

What's the problem (and who is to blame)?

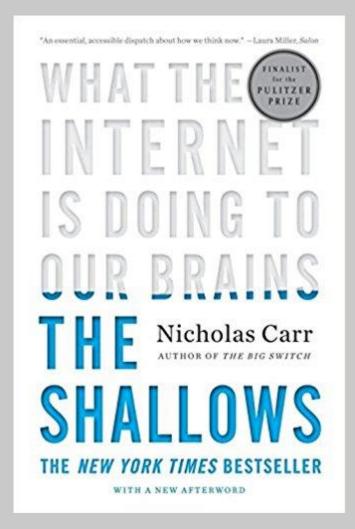


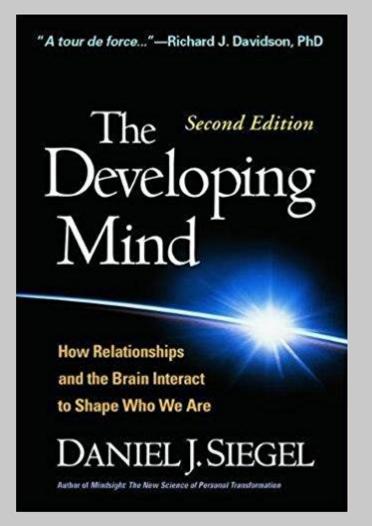
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Information Transfer*

- Effective Writing Skills across disciplines
- Standardized Testing
- Math and Science Transfer Skills
- *BTW There is no transfer!!!

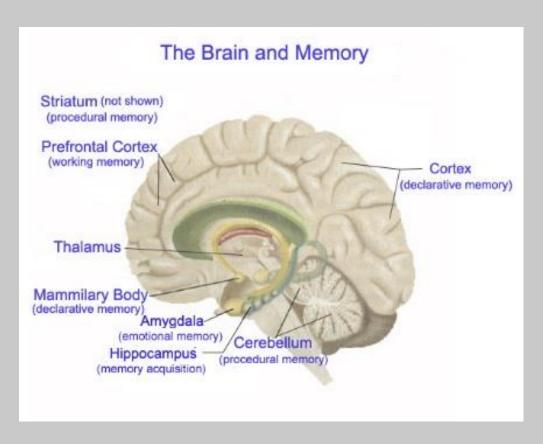
What's with the memory loss?



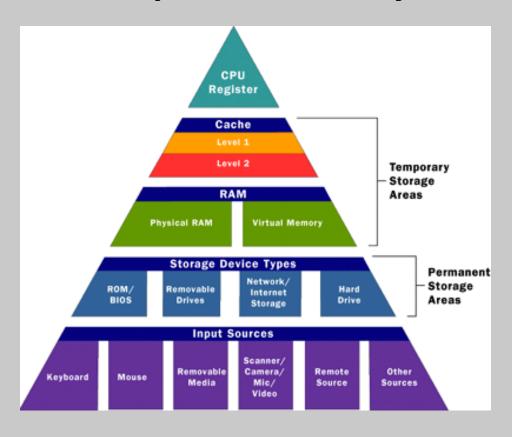


Types of Memory

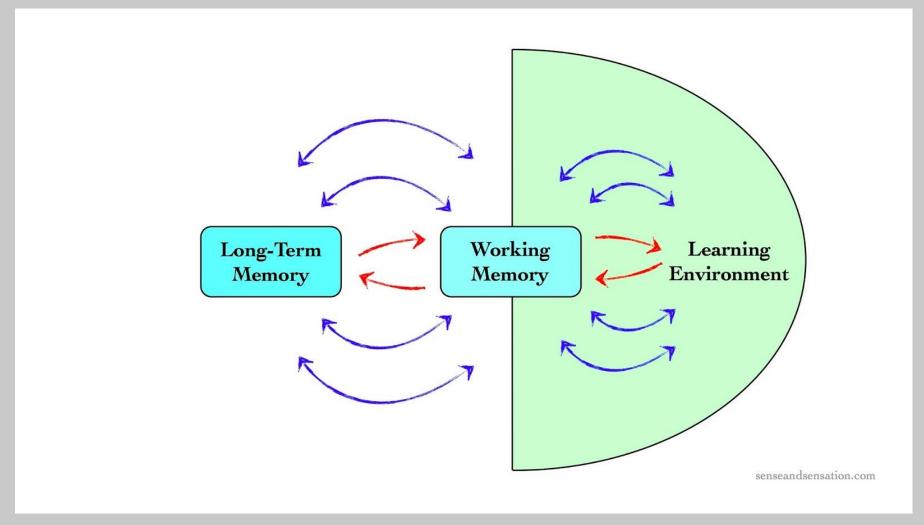
Biological Memory



Computer Memory



Working vs. Long-Term Memory

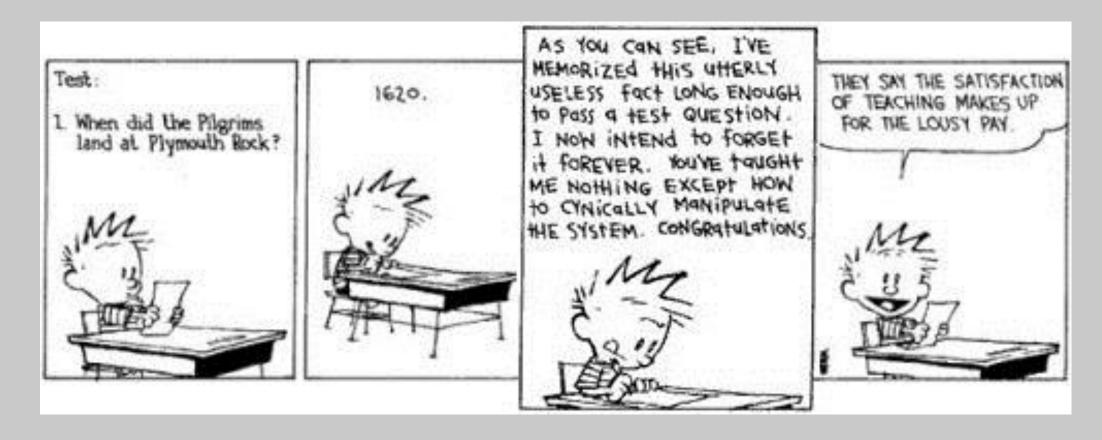


Cognitive Complexity

Pat Tierney, Palm Beach State College

Bloom Webb **Level 1 - Remembering** Recall **Level 2 - Understanding Level 3 - Applying Basic Application Level 4 - Analyzing Strategic Thinking Level 5 - Evaluating Extended Thinking Level 6 - Creating**

Placing the Burden on Students



Some Examples of Low-Level Questions

In the United States, the primary constitutional function(s) of Congress is (are)

- a. to make laws.
- b. to determine what the law is.
- c. to implement the law.
- d. All of these.
- e. None of these.

ANSWER: A

Solve the following problem using the Quadratic equation: $x^2 + 6x = 14$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

ANSWER: $x = -3 \pm \sqrt{23}$

Which of the following formulas represents the overall reaction that occurs in a nickel-cadmium cell:

a.
$$Pb(s) + PbO2(s) + 4H + (aq) + 2SO4 - 2 (aq) \longrightarrow 2PbSO4(s) + 2H2O(l)$$

b.
$$Cd(s) + NiO2(s) + 2H2O(l) \longrightarrow Cd(OH)2(s) + Ni(OH)2(s)$$

c. C6H12O6 + 6 O2(g)
$$\longrightarrow$$
 6CO2(g) + 6 H2O(l)

ANSWER: B

Some Examples of Mid-Level Questions

Civil Rights and race relations after WWII. *Brown v. Board of Education of Topeka (1954)* constituted the first major ruling of the Earl Warren Supreme Court. Warren sought consensus and advice from his fellow jurists since he was not a legal scholar, but was experienced as a prosecutor and Attorney General for Alameda County, California and a long time governor of California. Look back at the *Plessy v. Ferguson (1896)* case and write an essay about the change over time in both opinions' interpretation of the U. S. Constitution. Now analyze Southern Declaration on Integration (1956) and give the reasons for southern states' opposition to the Brown ruling. Write 6-7 paragraphs, noting important changes in American society since the 1890s. (American History Post 1865)

Formic acid, which is a component of insect venom, has a $Ka = 1.8 \times 10$ -4. What is the [H3O+] in a solution that is initially 0.10 M formic acid, HCOOH? (Chem 2)

a)
$$4.2 \times 10^{-3} M$$

c)
$$1.8 \times 10^{-4} M$$

e)
$$1.8 \times 10^{-6} M$$

ANSWER: A

b)
$$8.4 \times 10^{-3} M$$

d)
$$1.8 \times 10^{-5} M$$

Some Examples of High-Level Questions

As our society evolves, group differences continue to divide us. Identify two minority groups you are familiar with (either you work with, study with or interact with on a weekly basis) and outline two differences that may affect these groups as they strive to work together. In addition, examine how these differences may affect productivity within the global economy and how these differences may be resolved in order for us to be a more competitive society. (Political Science 101)

What's Next?





1. Siddhartha's father is a Brahmin, which means he is a what?

a. Policeman c. Soldier

b. Religious leader d. Politician

2. What is the name of Siddhartha's best friend?

a. Gotama c. Govinda

b. Kamala d. Kamaswami

Level 1 - Basic Recall

During "Awakening," Siddhartha comes to an important realization. "I am no longer who I was, I am no longer an ascetic, I am no longer a priest, I am no longer a Brahman . . . All this is past, none of this is in my path any longer" (Hesse 35). How is Siddhartha's view similar to or different from the views expressed in "The Road Not Taken" by Robert Frost?

Level 3/4 – Application and Analysis

Most religions share a similar core of set belief – faith in God, goodwill toward others, and prayer and meditation. The search for meaning and inner peace transcends cultures. Using evidence from Siddhartha's quest, show both how hedonism and asceticism are necessary for one to achieve true enlightenment (regardless of faith), then explore the practicality of this life approach in relation to our technology-laden society. Design a religion that allows for both hedonism and asceticism.

Level 5/6 – Evaluative and Creative

V 1.0: Would personalities with heightened primitive demands (described as the "id" in personality psychology [Freudian Psychology] reach certain happiness quicker than those with tolerant personalities?

Yes/No response

V 2.0: How would personalities with heightened primitive demands (described as the "id" in personality psychology [Freudian Psychology] reach certain happiness quicker than those with tolerant personalities?

No need to use text for support

V 3.0: Using Hesse's Siddhartha as a foundation for support, argue how personalities with heightened primitive demands (described as the "id" in personality psychology [Freudian Psychology] reach certain happiness quicker than those with tolerant personalities? Evaluate the definition of "certain happiness" in this light.

Complex thinking



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This is the Final Slide (Sort of)

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