Rethinking instruction without emotion in light of neuroscientific alternatives

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1 before E precipitates C₃s

research quiz

1 2 3
According to neuroscience research, what % of an average lecture’s information do students retain?

- a. 13
- b. 33
- c. 53
- d. 73
- e. 93
According to neuroscience research, information retention via lecture is significant. Mazur & Redish (2011) report that:

- 13%
- 33
- 53
- 73
- 93

These statistics highlight the importance of active learning and engagement in educational settings.
Neuroscientific Alternatives?
According to neuroscience research,

Which three letters represent the most powerfully processed external stimuli ever measured?

a. eys  
b. ecg  
c. esx  
d. ecs  
e. bdnf

Savion & Glischinski | 2012
According to neuroscience research,

the most powerfully processed external stimuli ever measured

(Medina, 2008)
Emotionally Competent Stimuli (ECS) = the most powerfully processed external stimuli ever measured
(Medina, 2008)
E is for Emotionally competent stimuli
I before E precipitates Cs
According to neuroscience research, what brain region excites cognitive analysis?

| a. amygdala   |
| b. occipital  |
| c. cerebellum |
| d. colossal   |
| e. temporal   |
brain region excites cognitive analysis

a. amygdala
b. occipital
c. cerebellum
d. colossal
e. temporal
I before E precipitates Cs
unmoving  unmeaningful  ECS failure
According to neuroscience research, what

- retention?
- retention?
- retention?
- retention?

% of an average lecture’s information do students retain?

three letters represent the most powerful stimuli ever measured?

brain region excites cognitive analysis?
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References


