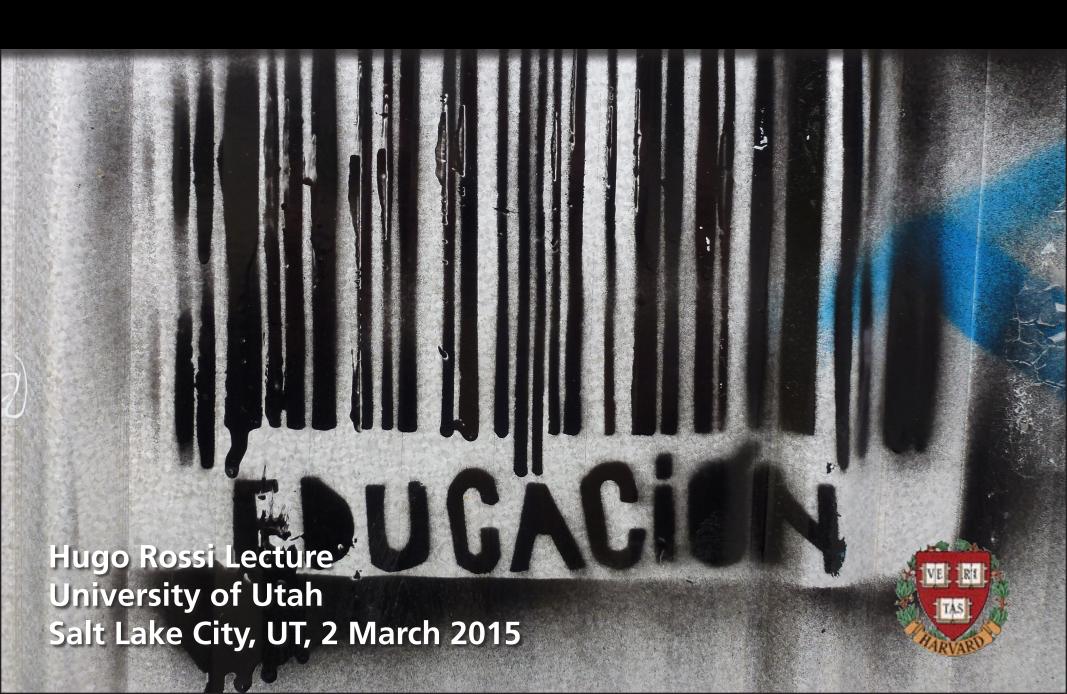
## **Confessions of a converted lecturer**





## Confessions of a converted lecturer







- no ON/OFF button
- only last "click" counts
- display shows recorded answer

www.TurningTechnologies.com



www.TurningTechnologies.com



www.TurningTechnologies.com

Think of something you are good at

Think of something you are good at

How did you become good at this?

## Became good at it by:

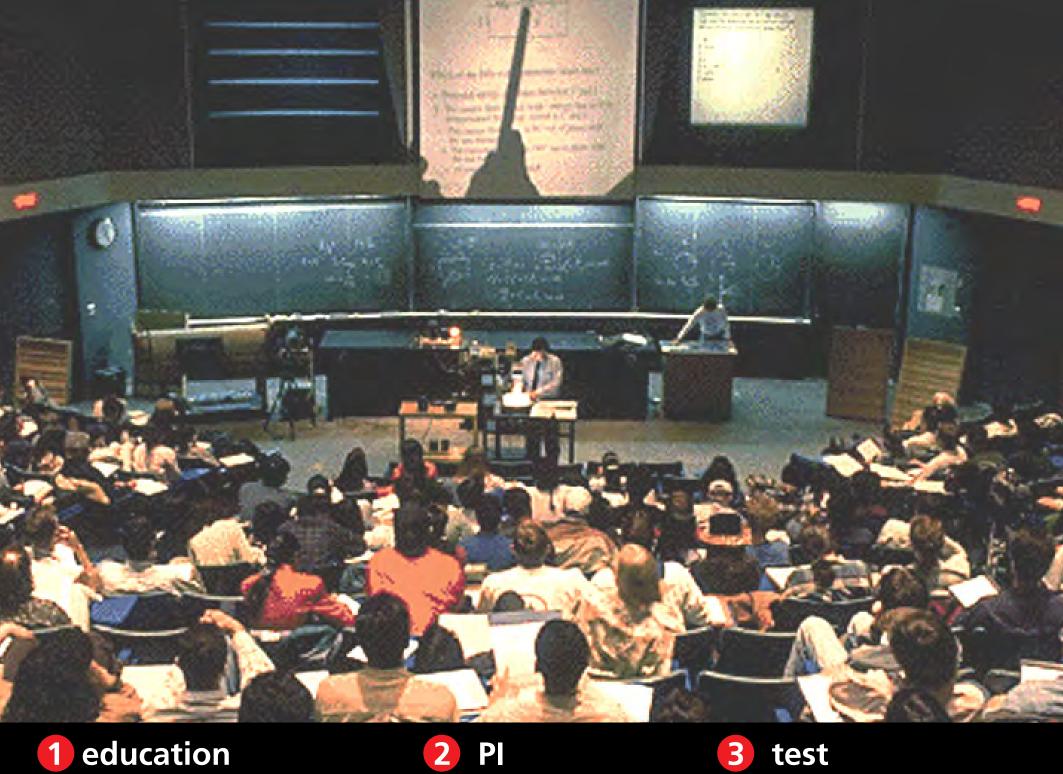
- 1. trial and error
- 2. lectures
- 3. practicing
- 4. apprenticeship
- 5. other











PI

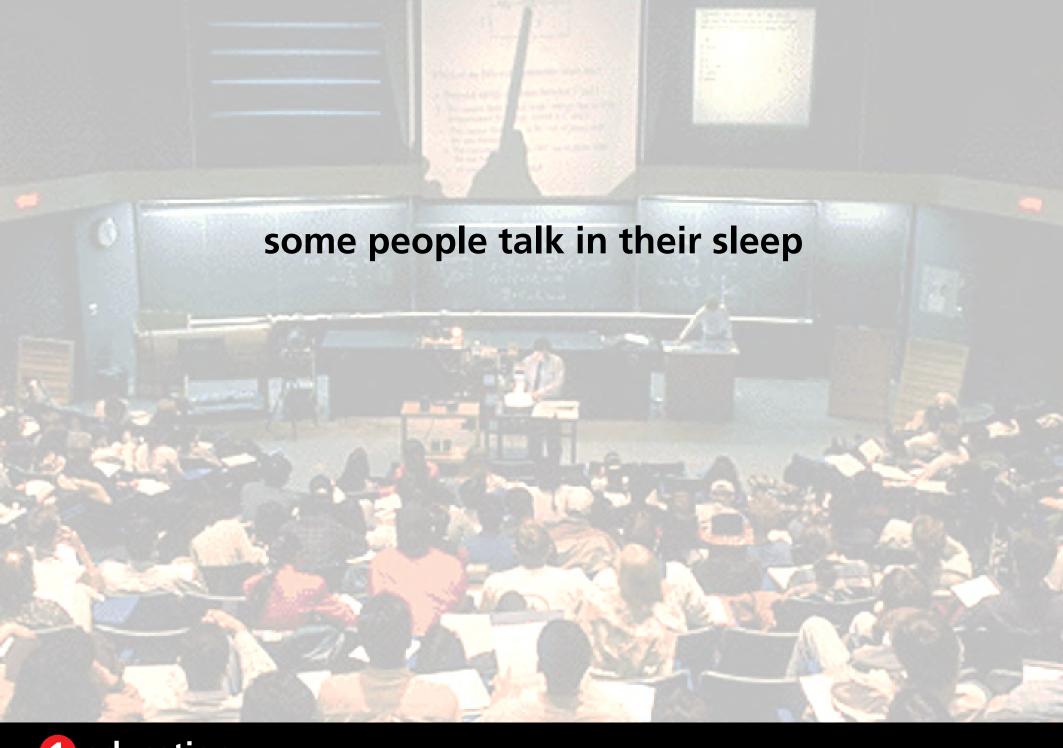


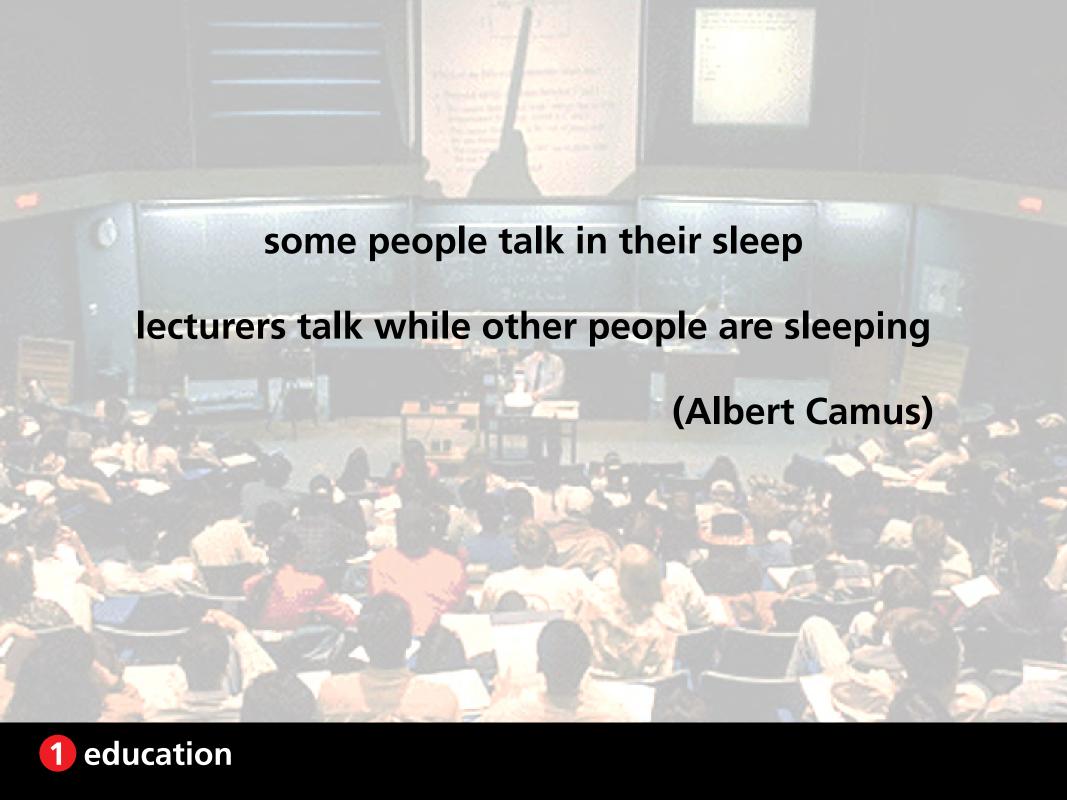
2

3

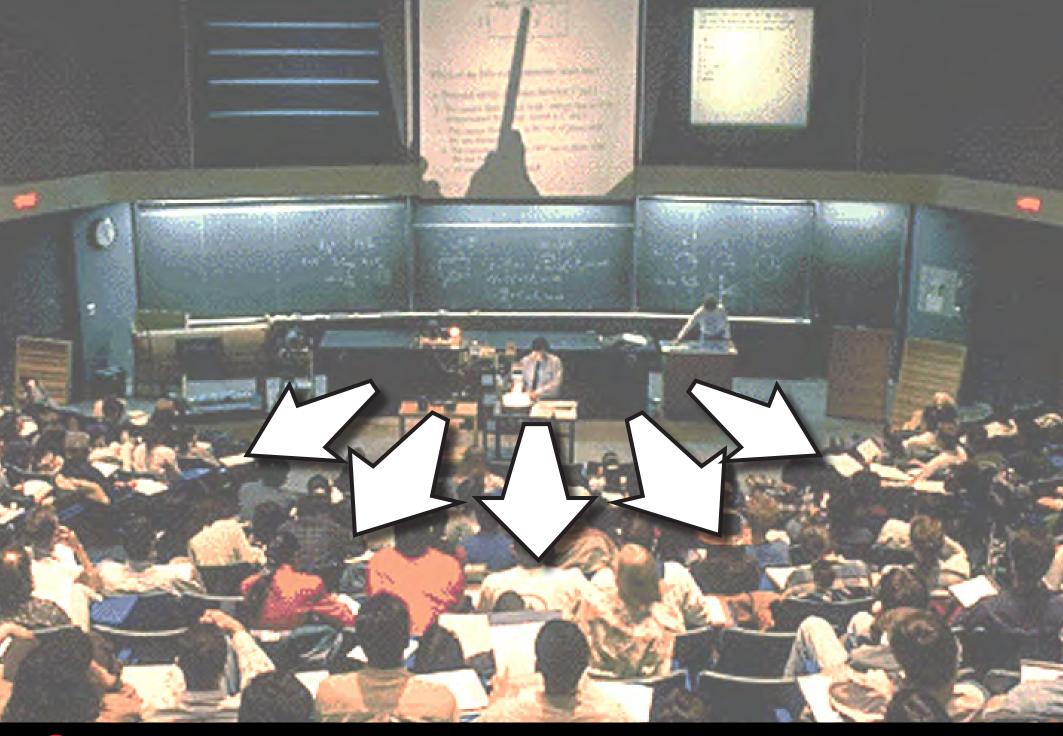


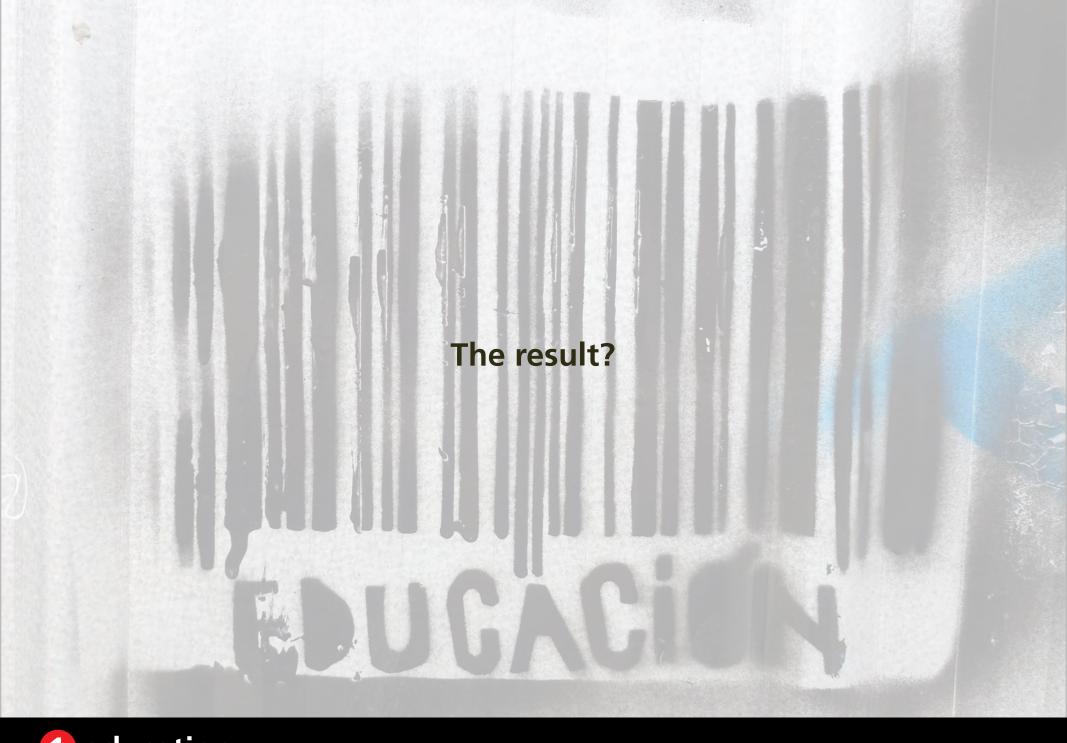


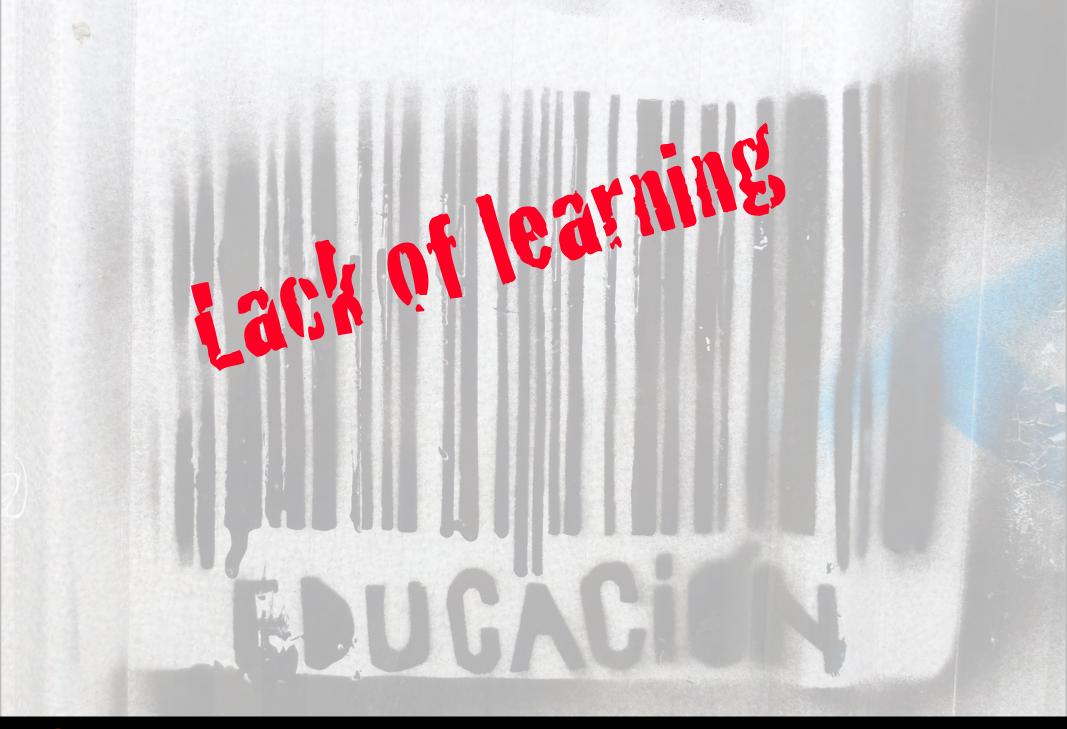


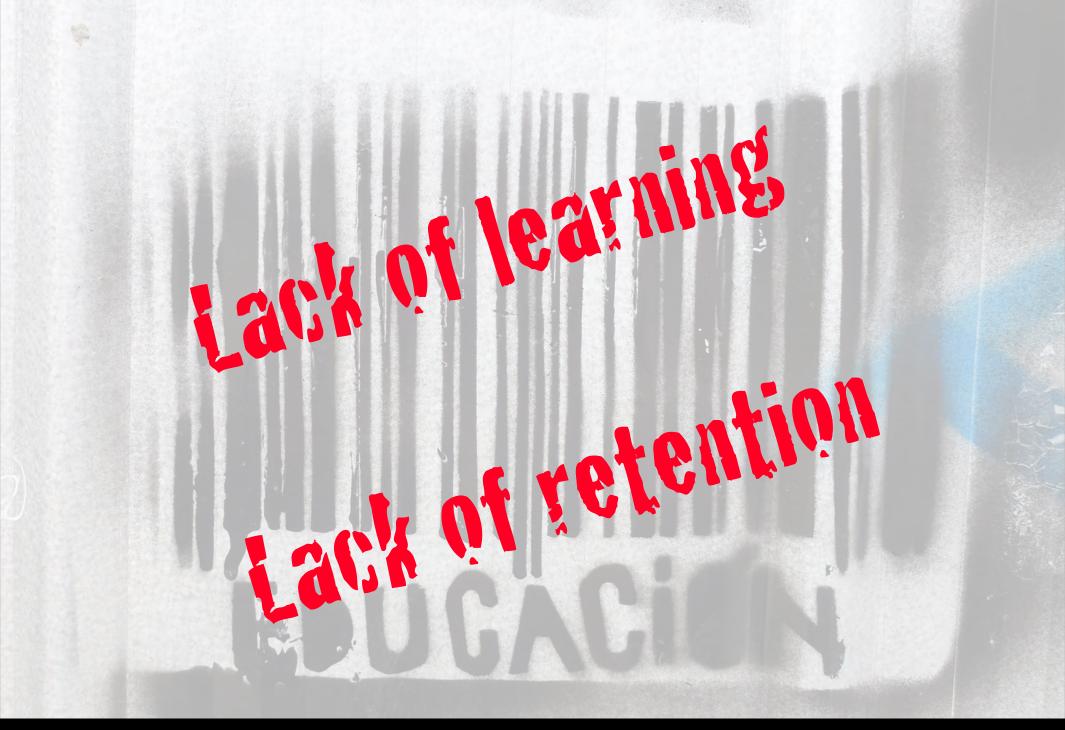


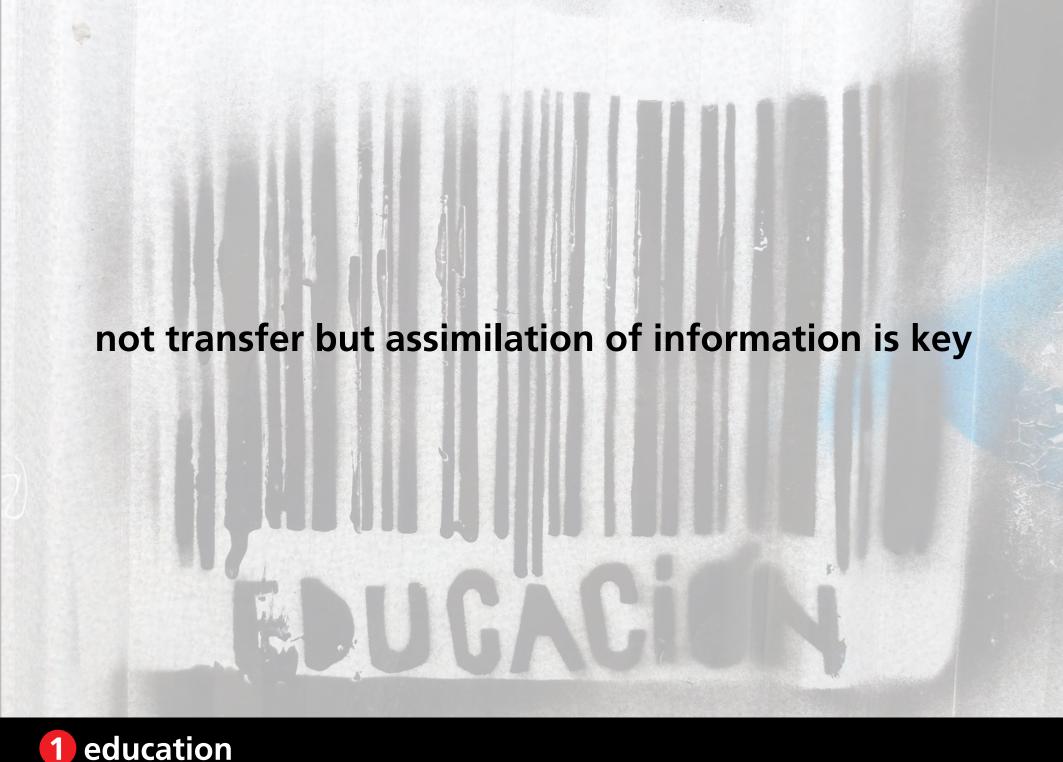




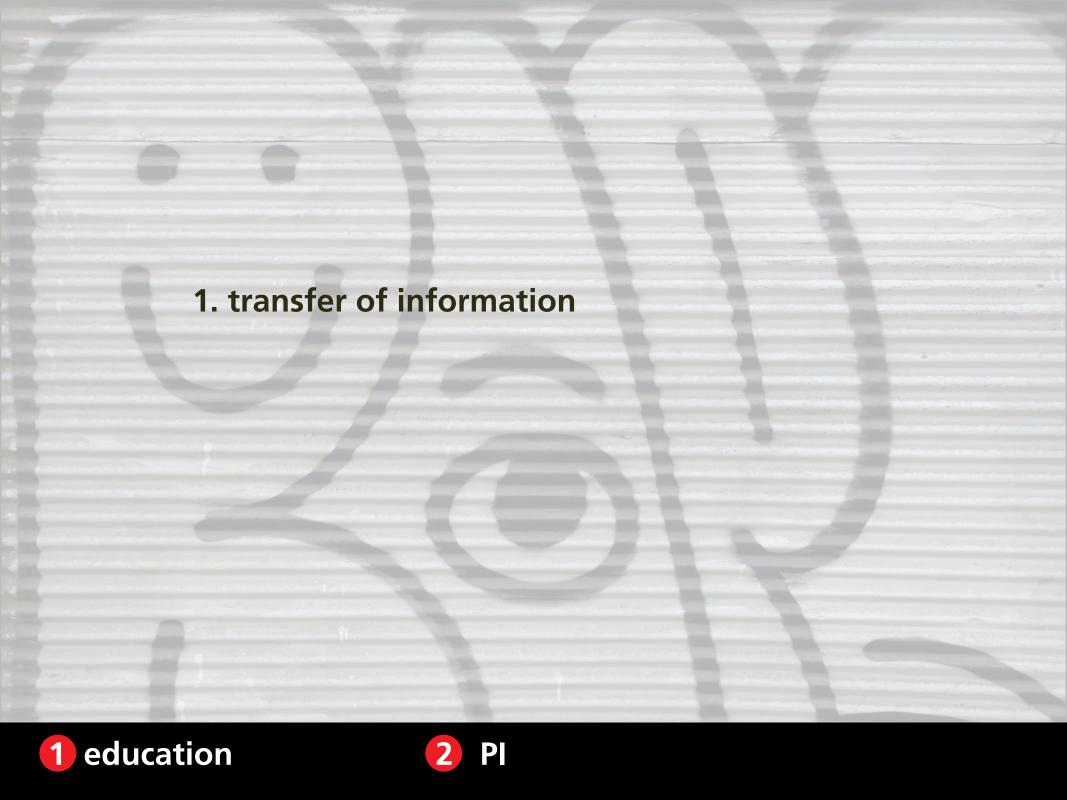












1. transfer of information

2. assimilation of that information

transfer of information (in class)
assimilation of that information

1. transfer of information (in class)

2. assimilation of that information (out of class)

Should focus on THIS!

1. transfer of information (i)

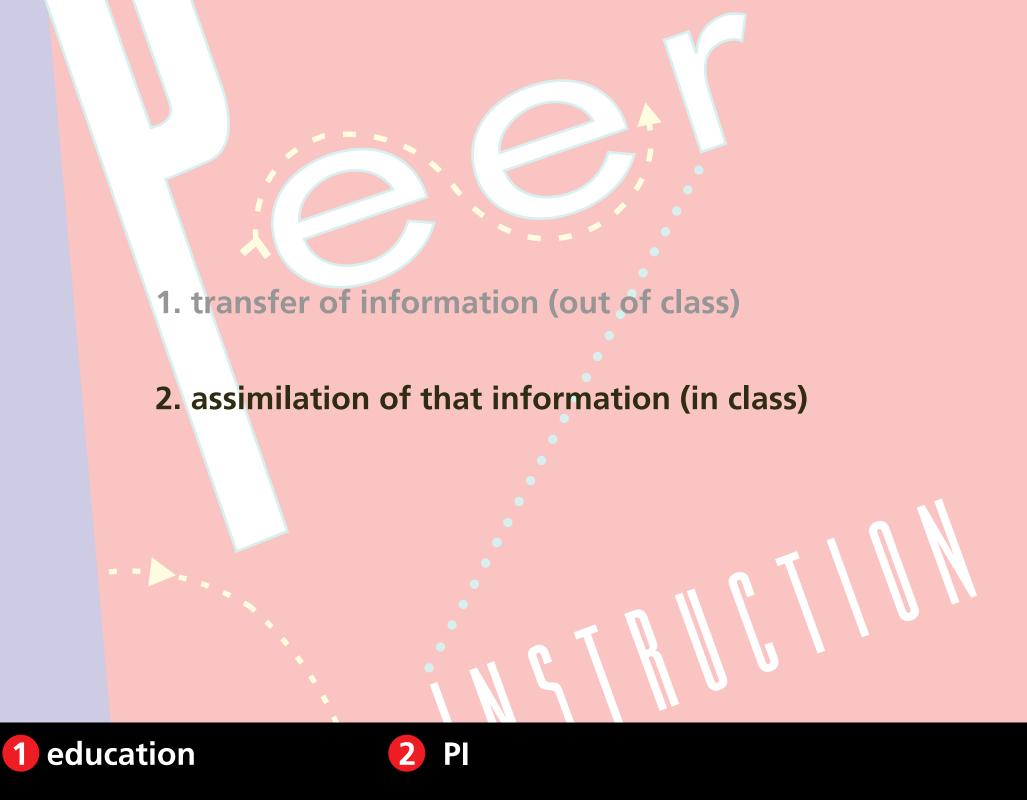
2. assimilation of that information (out of class)

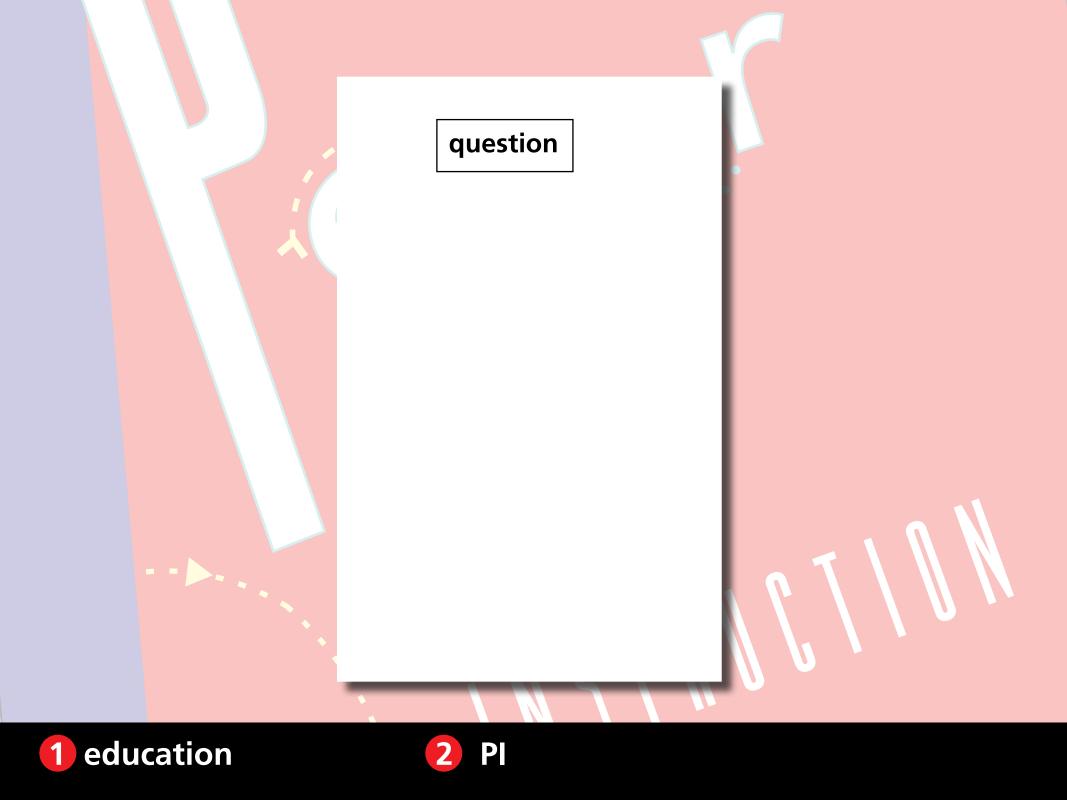
1. transfer of information (in class)

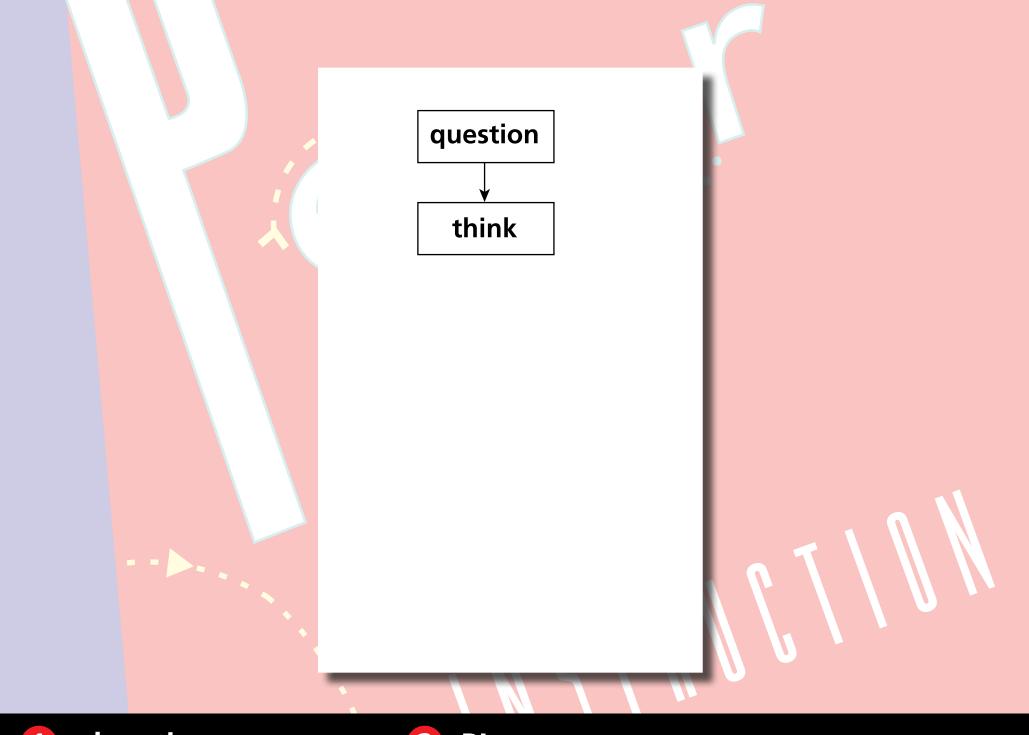
2. assimilation of that information (out of class)

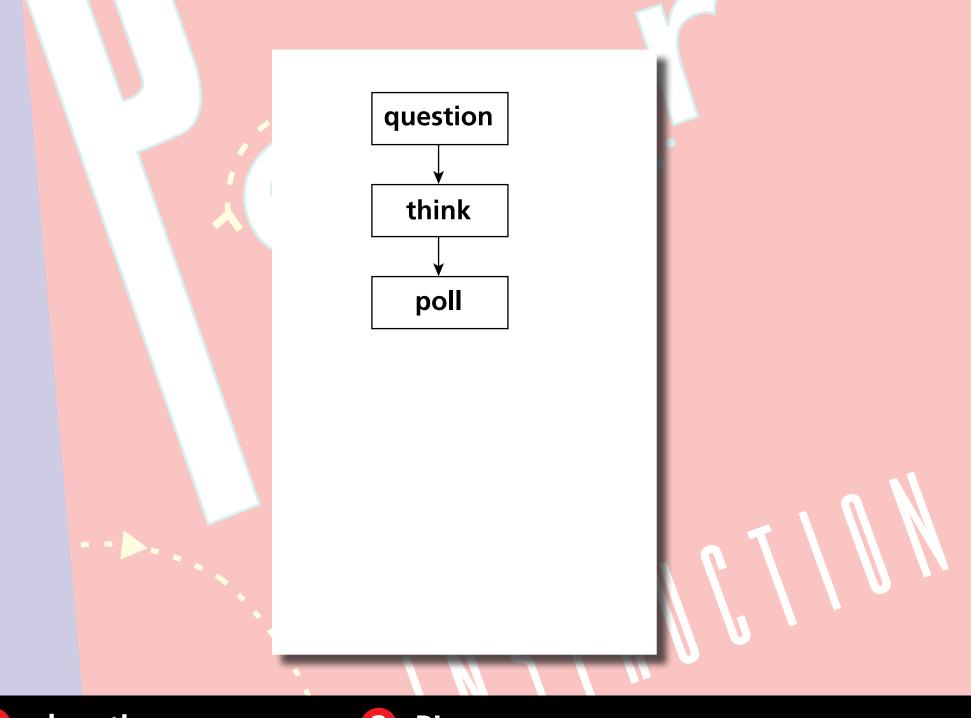
1. transfer of information (out of class)

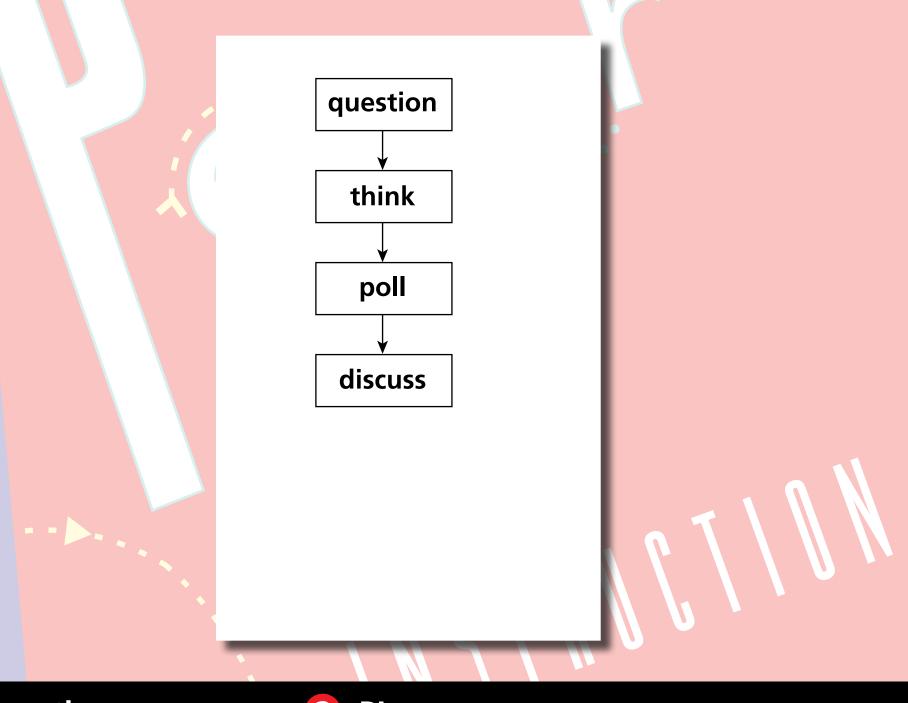
2. assimilation of that information (in class)

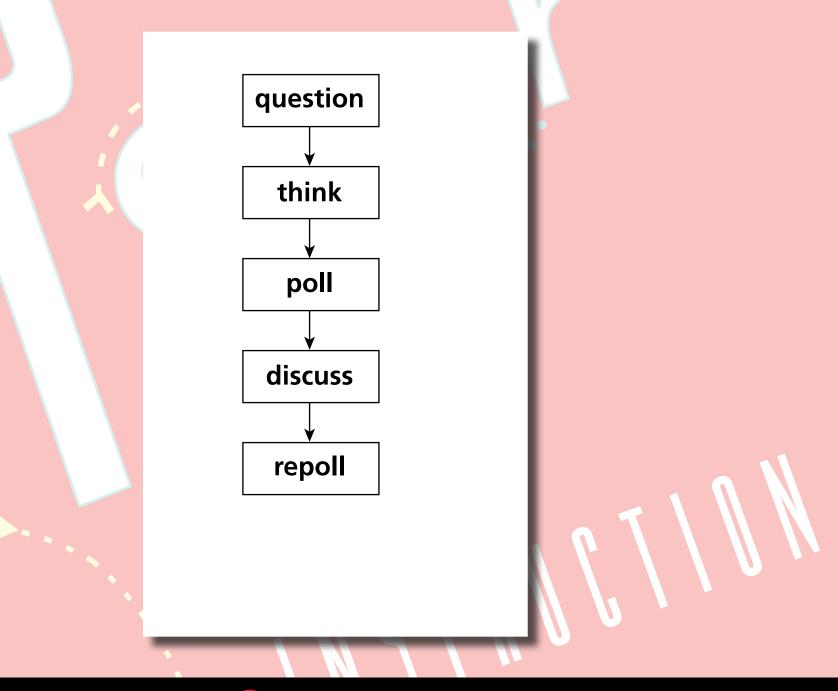


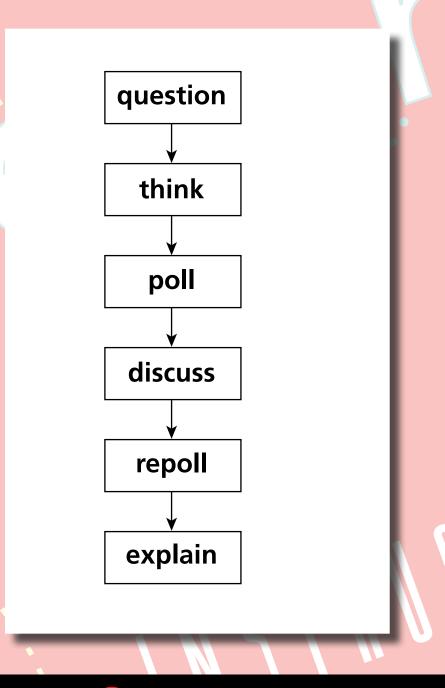


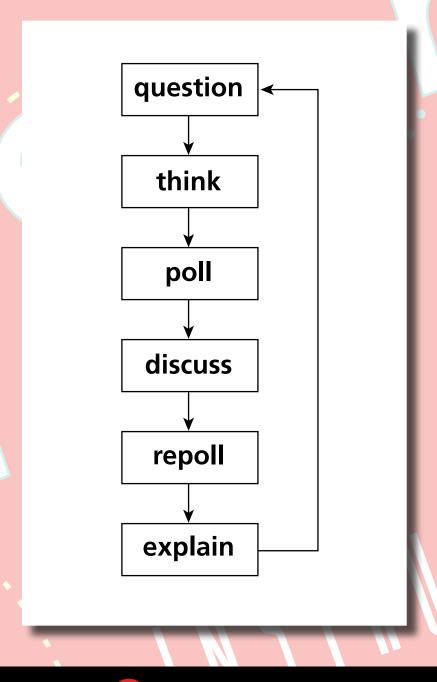


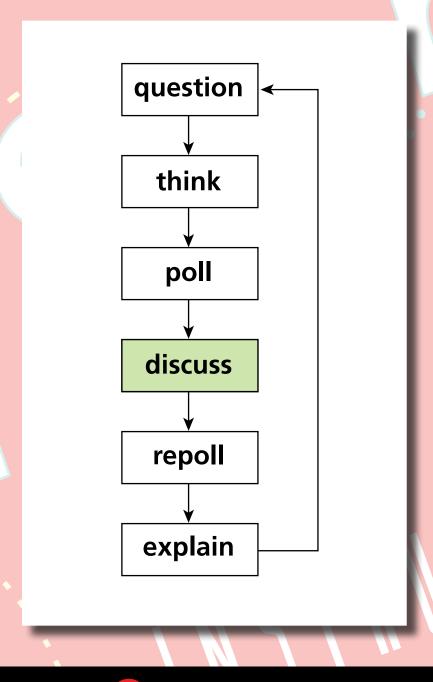


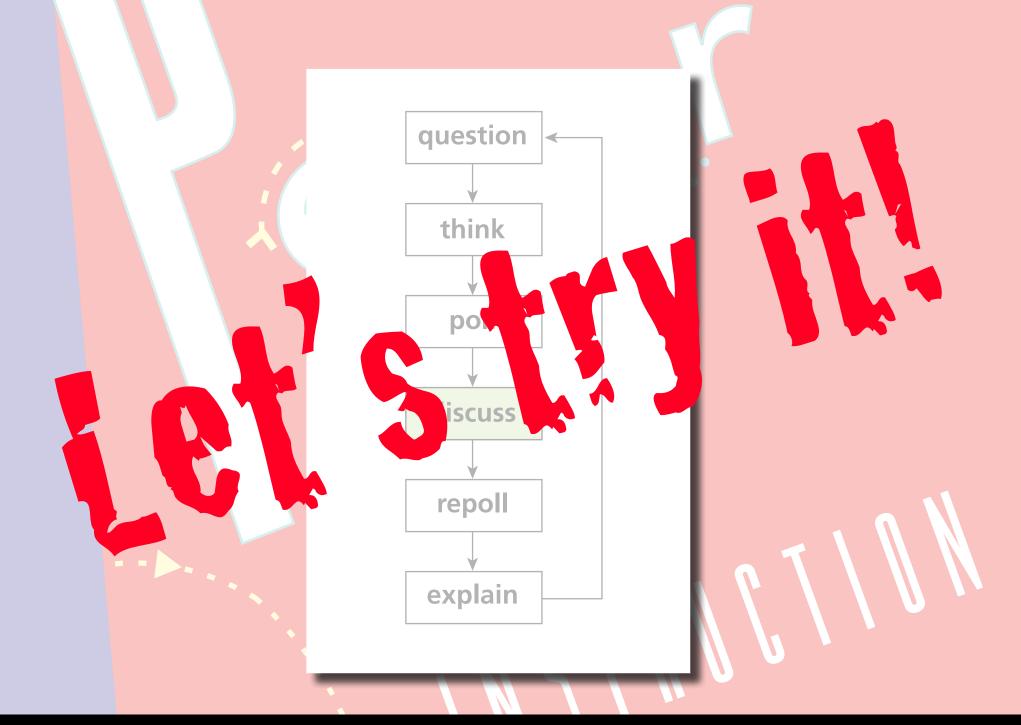




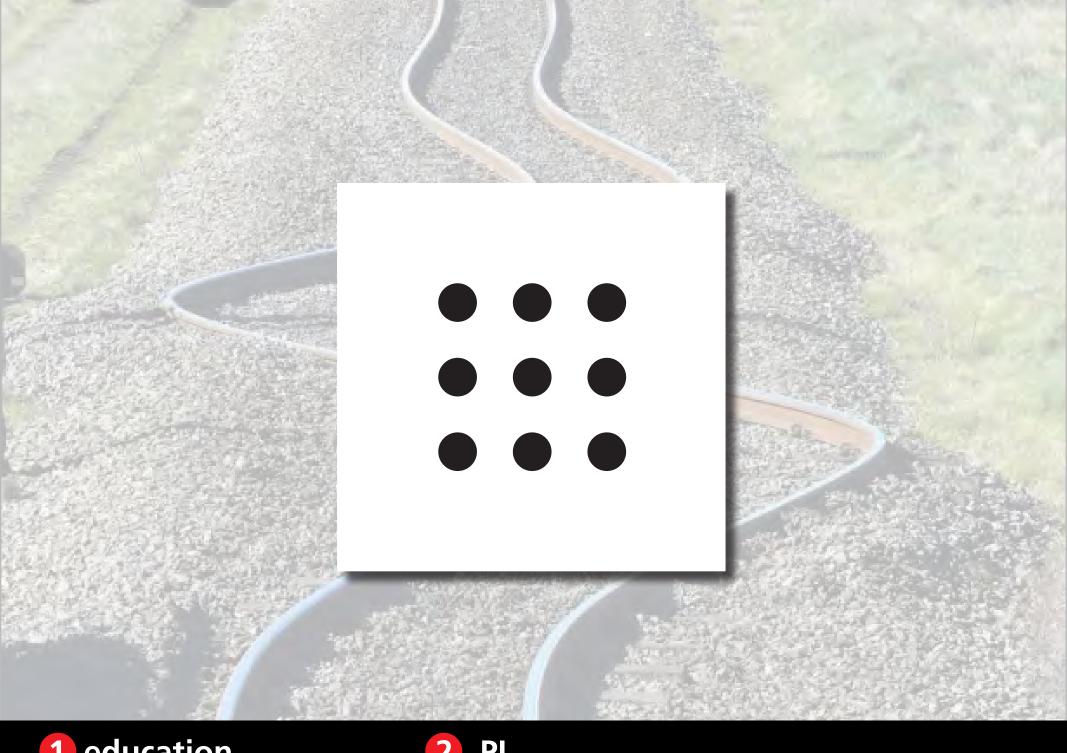


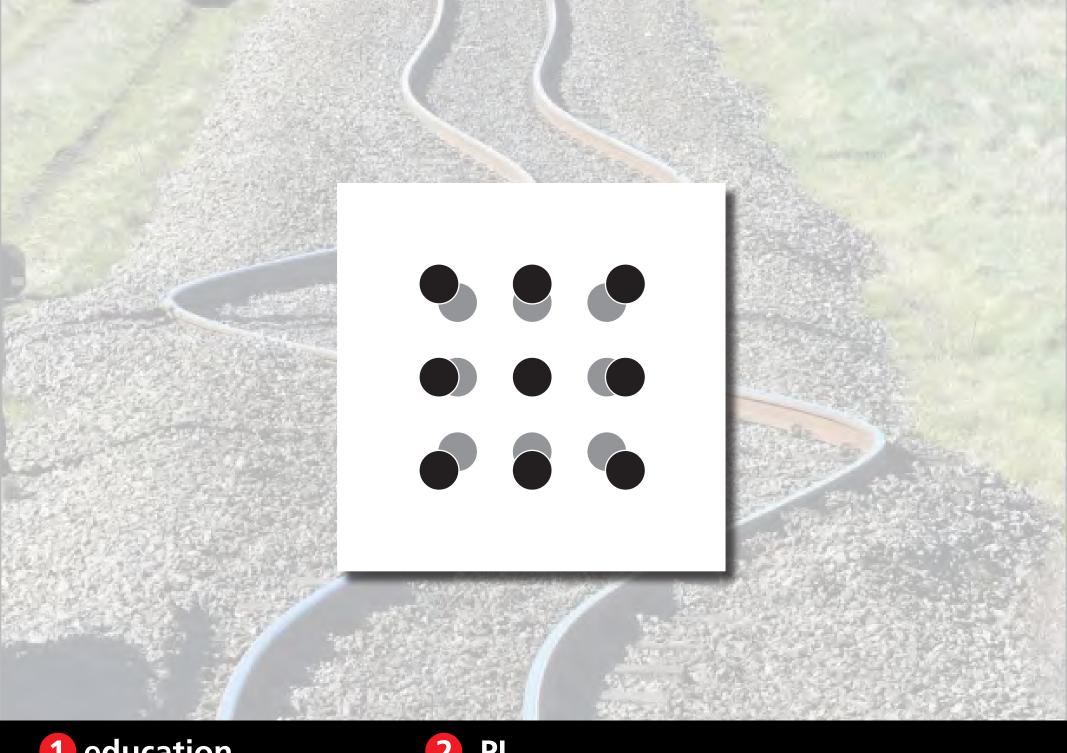






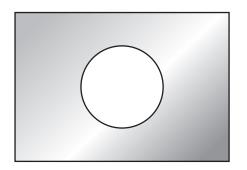








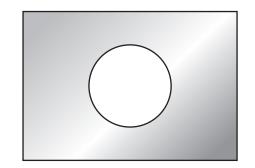
**Consider a rectangular metal plate** with a circular hole in it.



**Consider a rectangular metal plate** with a circular hole in it.

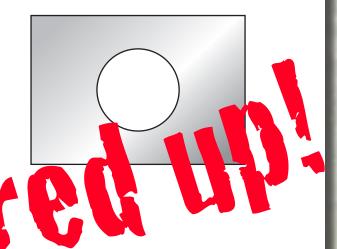
When the plate is uniformly heated, the diameter of the hole

- 1. increases.
- 2. stays the same.
- 3. decreases.



Consider a rectangular metal plate with a circular hole in it.

When the plate is uniformly heated, the diameter of the hold

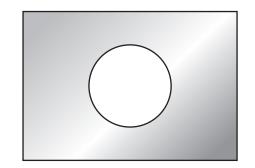


- 1. increases
- 2 ctay the same
- B. a. de ses

**Consider a rectangular metal plate** with a circular hole in it.

When the plate is uniformly heated, the diameter of the hole

- 1. increases.
- 2. stays the same.
- 3. decreases.



Before I tell you the answer...

You...

1. made a commitment

- 1. made a commitment
- 2. externalized your answer

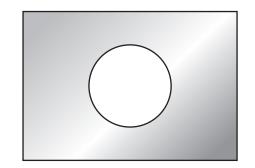
- 1. made a commitment
- 2. externalized your answer
- 3. moved from the answer/fact to reasoning

- 1. made a commitment
- 2. externalized your answer
- 3. moved from the answer/fact to reasoning
- 4. became emotionally invested in the learning process

**Consider a rectangular metal plate** with a circular hole in it.

When the plate is uniformly heated, the diameter of the hole

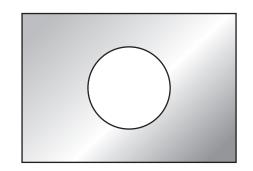
- 1. increases.
- 2. stays the same.
- 3. decreases.

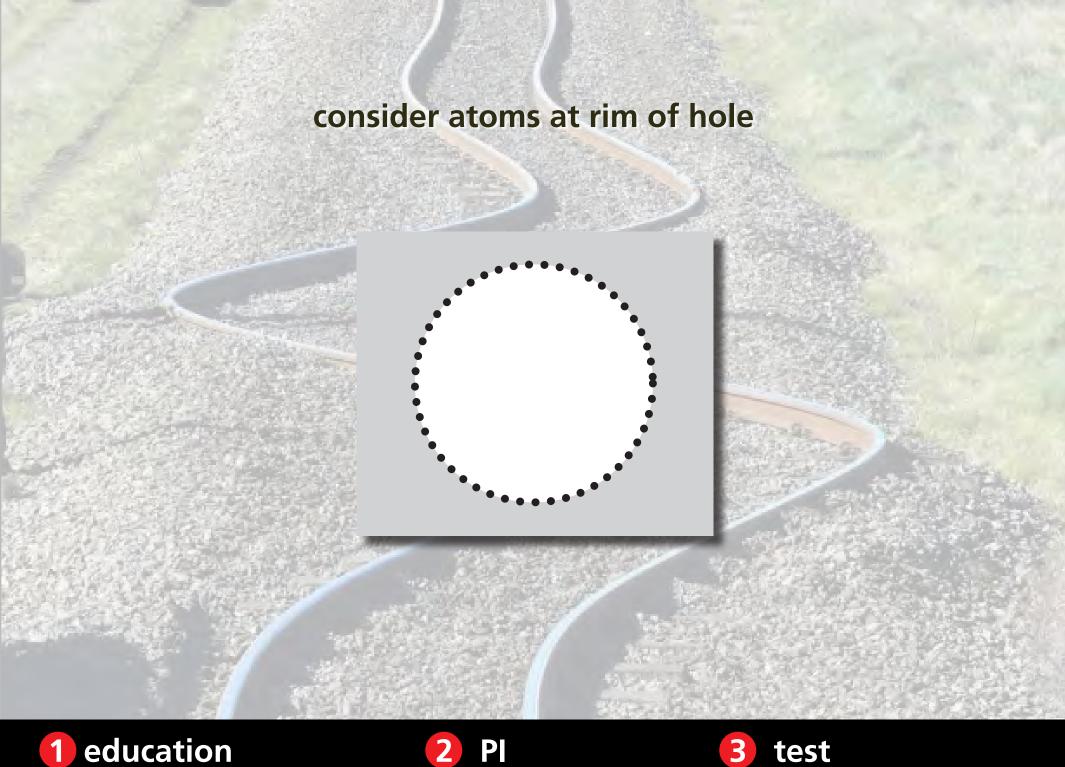


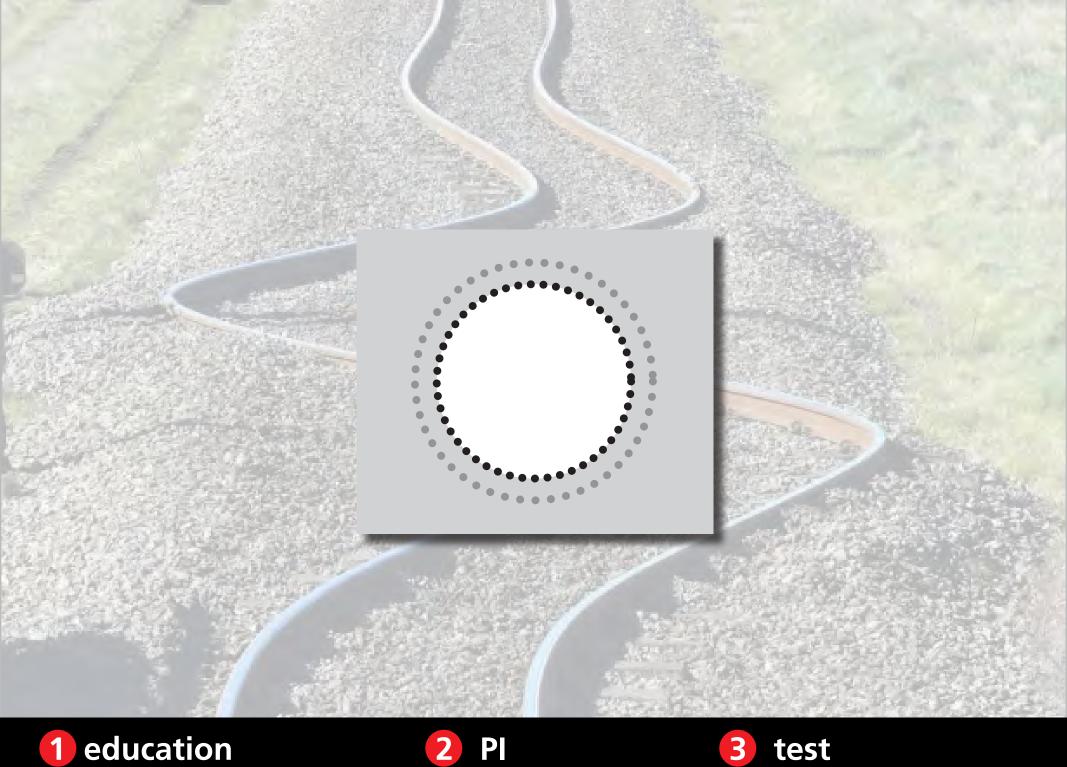
Consider a rectangular metal plate with a circular hole in it.

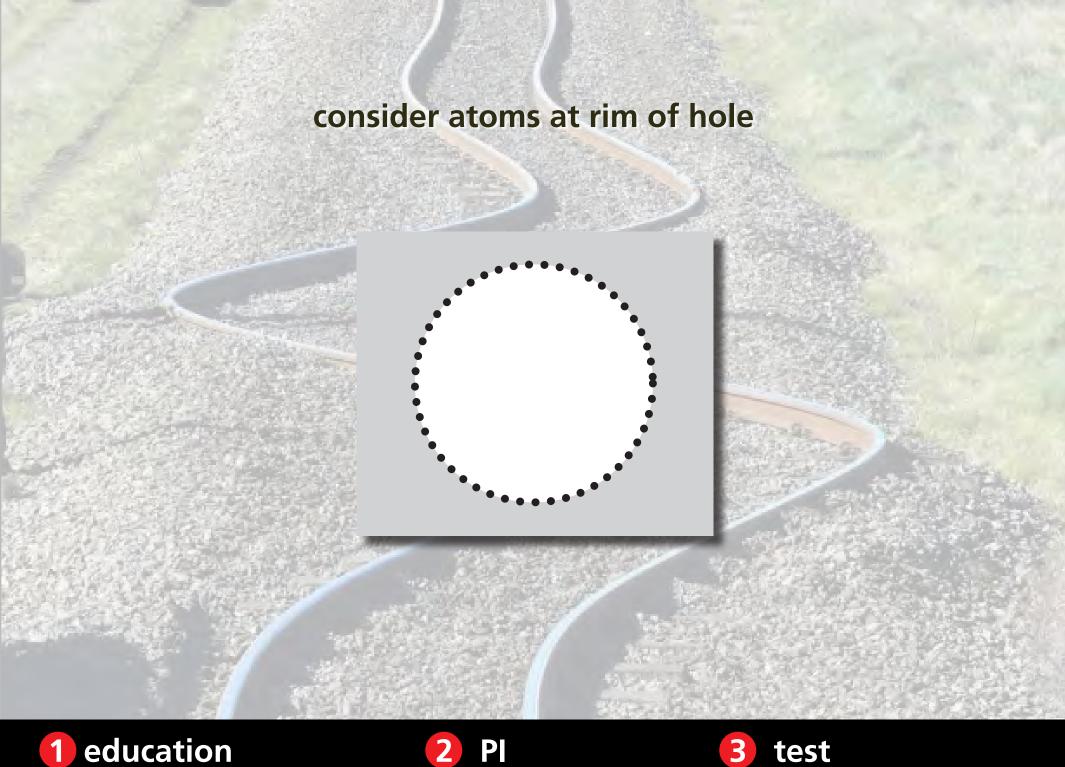
When the plate is uniformly heated, the diameter of the hole

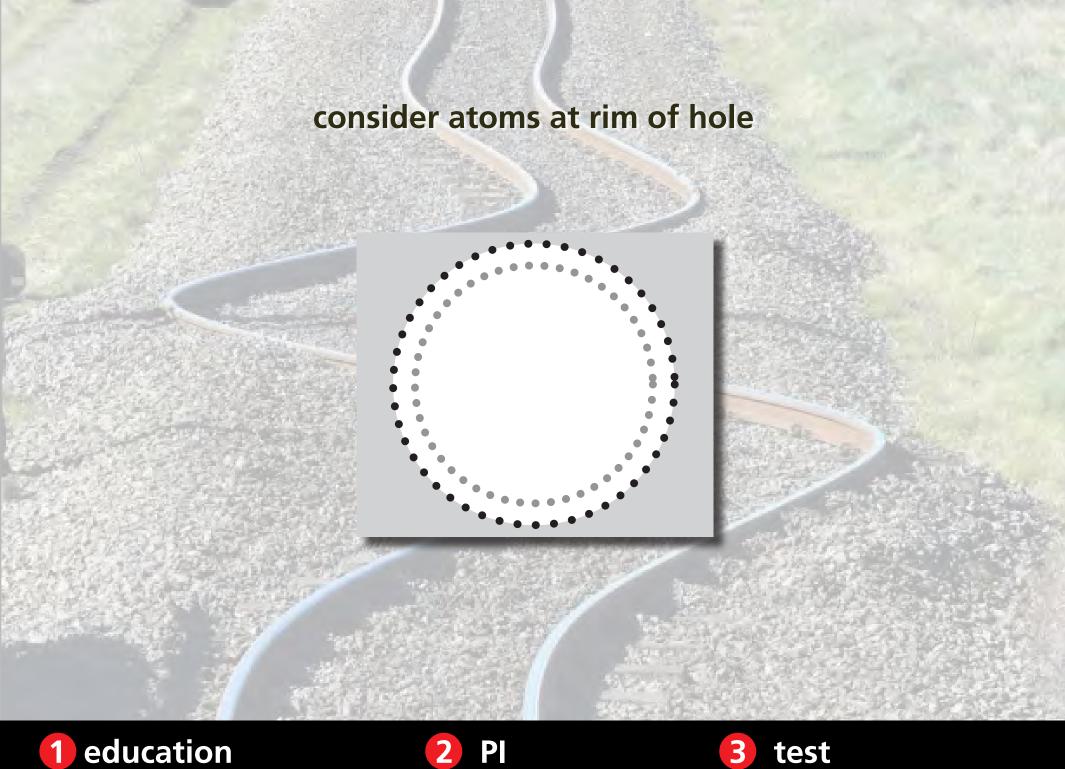
- 1. increases.
- 2. stays the same.
- 3. decreases.











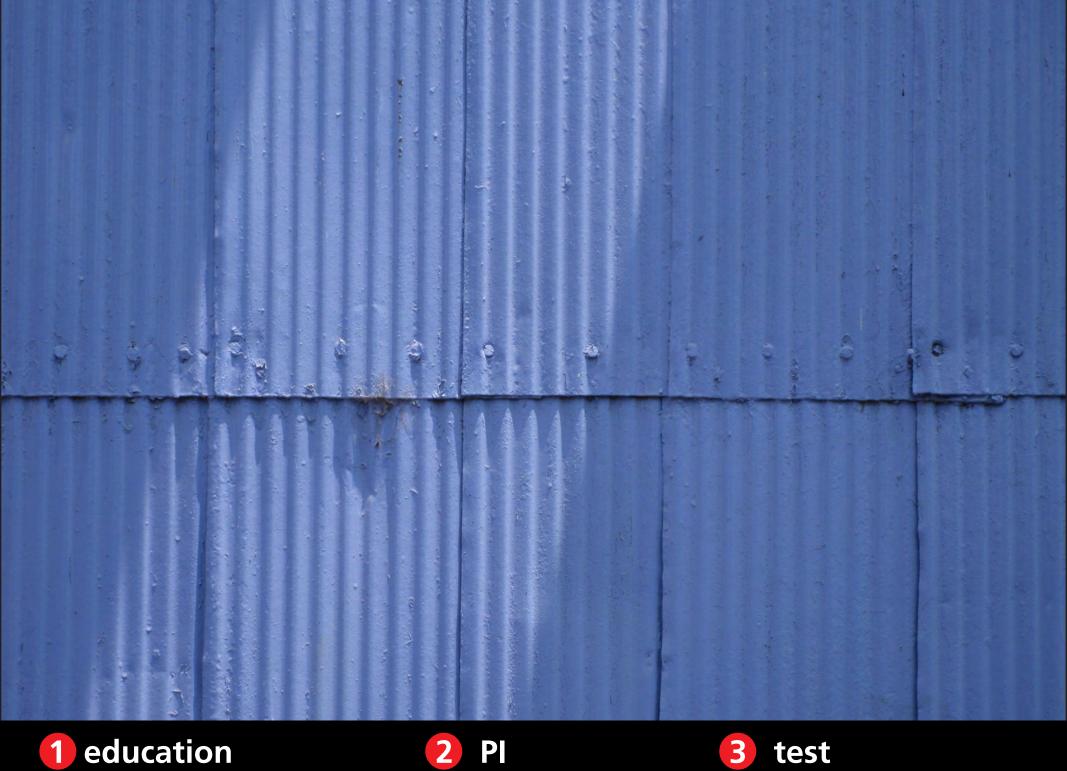








test



in a lecture, students... 1 education test

1. don't pay utmost attention

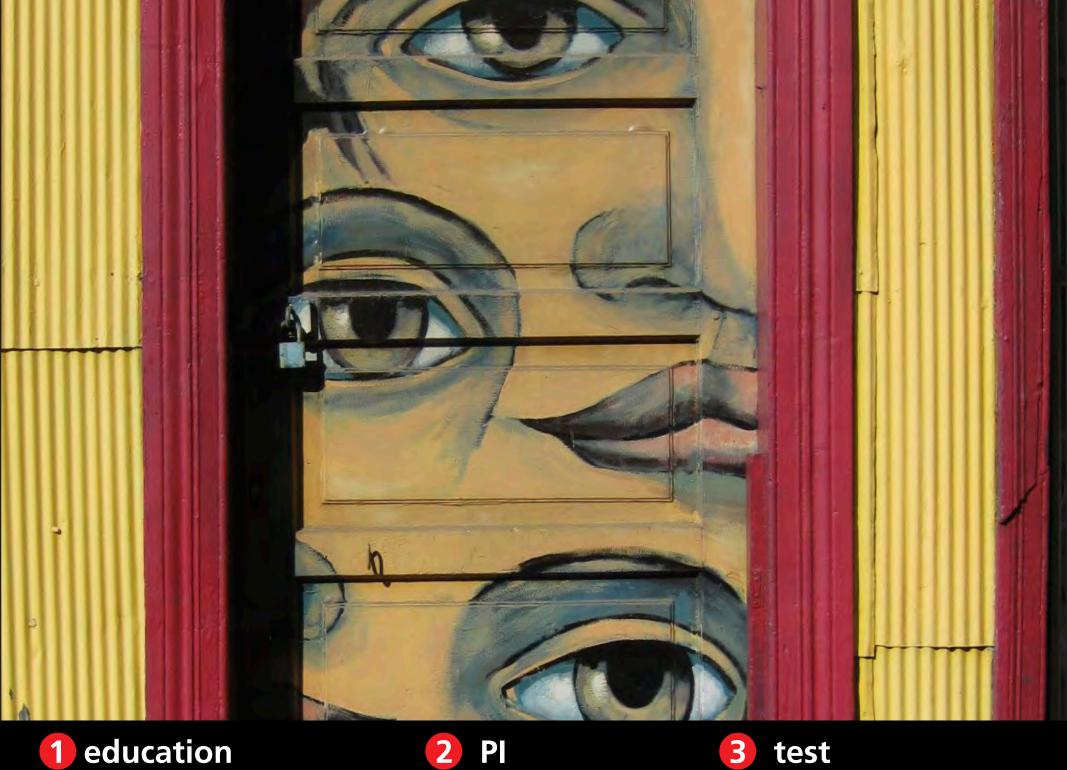
- 1. don't pay utmost attention
- 2. think they know it

1. don't pay utmost attention

2. think they know it

3. are not confronted with misconceptions

- 1. don't pay uthost attention
- 2. think they know it
- 3 are local fonted with misconceptions



PI



**Education is not just about:** 

- transferring information
- getting students to do what we do

**Education is not just about:** 

transferring information

getting students to do what we do

active participation a must!

## PLEASE RETURN CLICKER



Join now!

## Peerlnstruction.net



**National Science Foundation** 

for a copy of this presentation:

mazur.harvard.edu

Follow me!



eric\_mazur