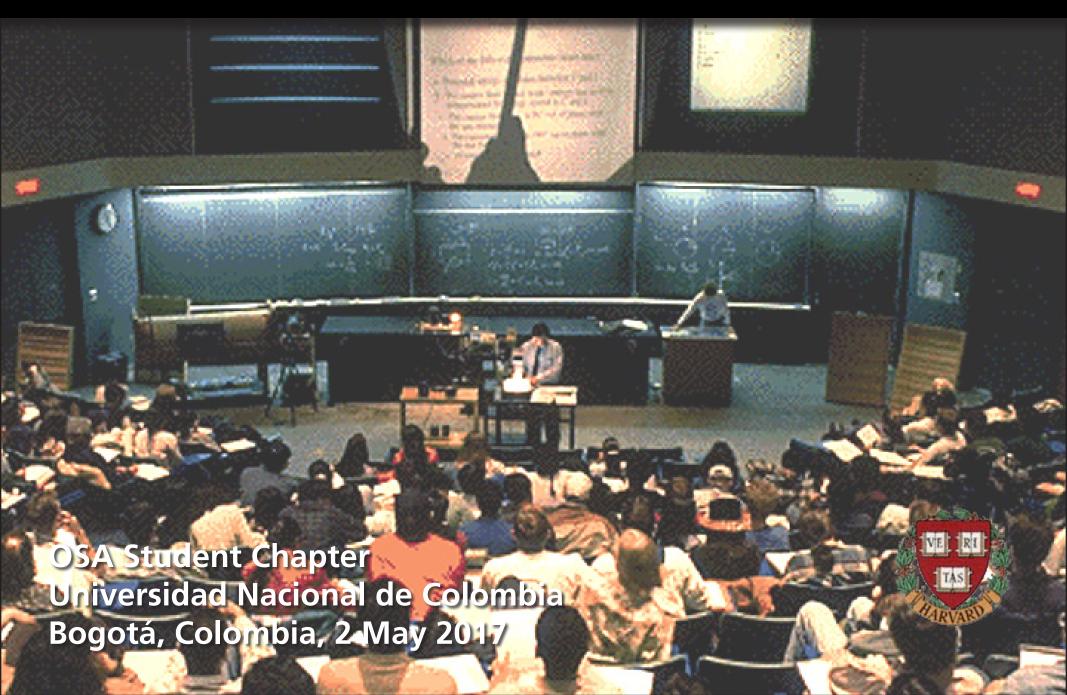
Memorization or understanding: are we teaching the right thing?





Memorization or understanding: are we teaching the right thing?

















2 PI

3

test



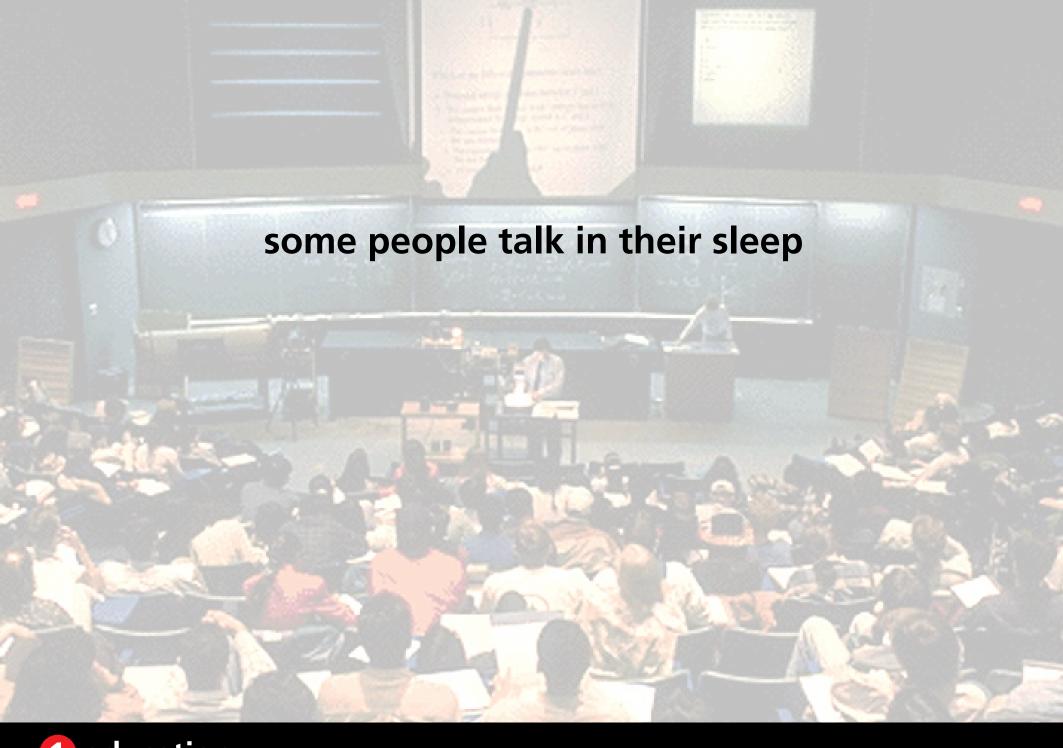
2 P

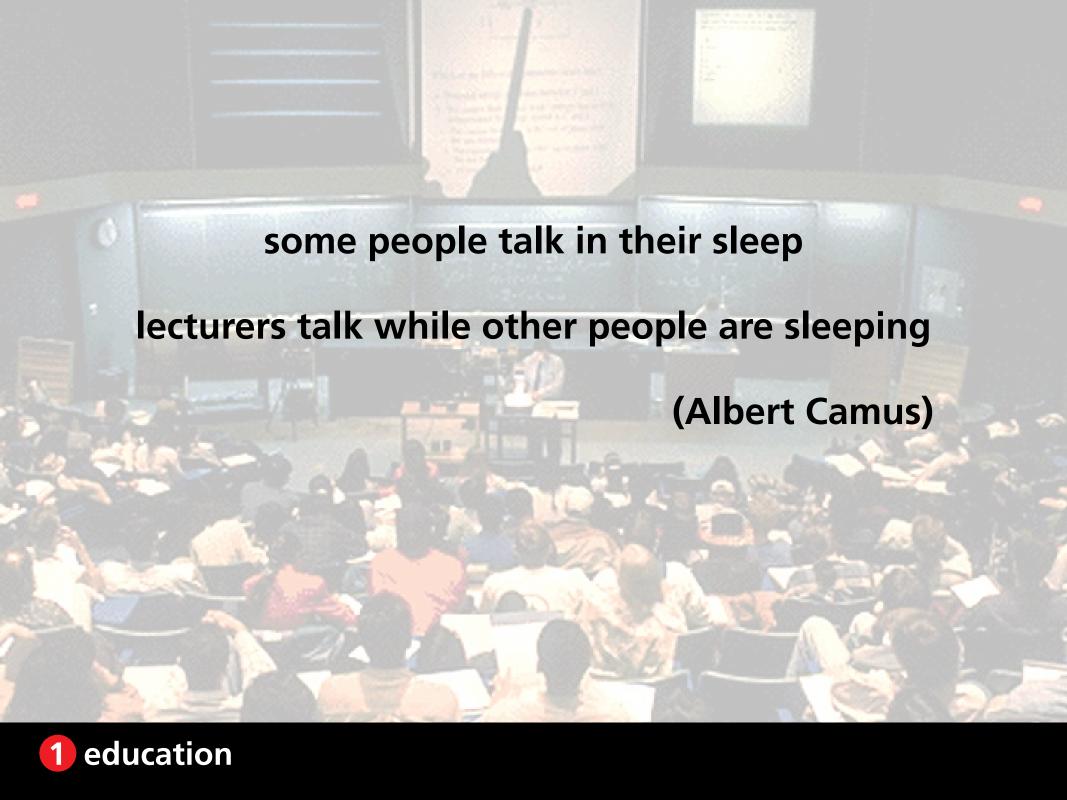
3

test

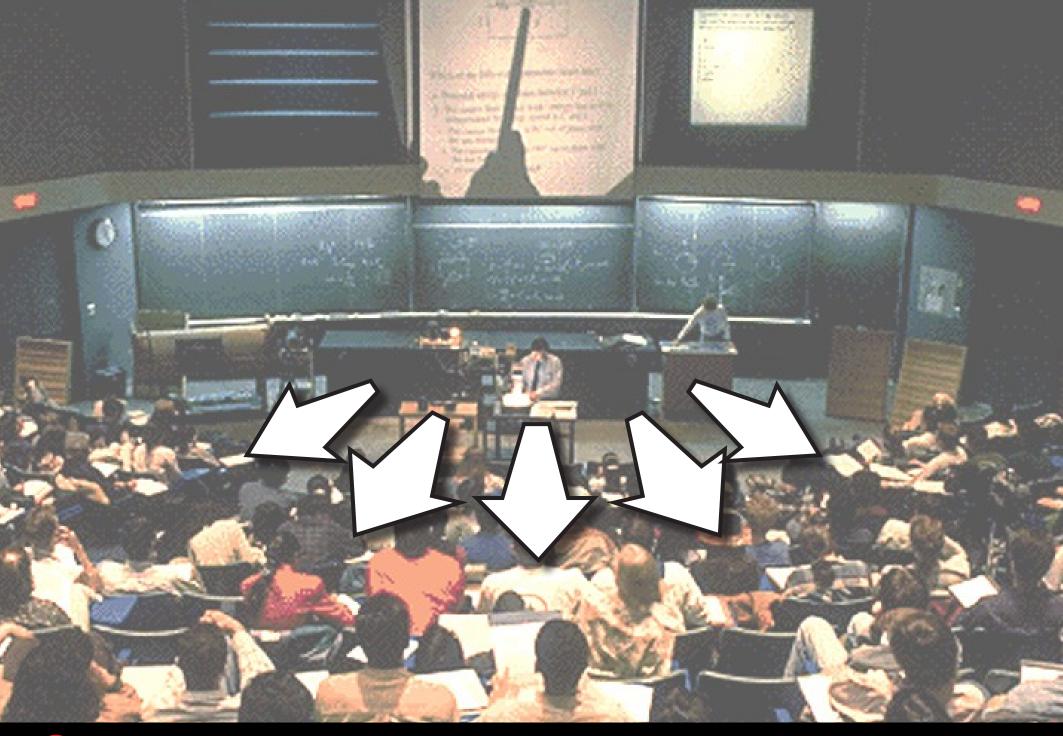


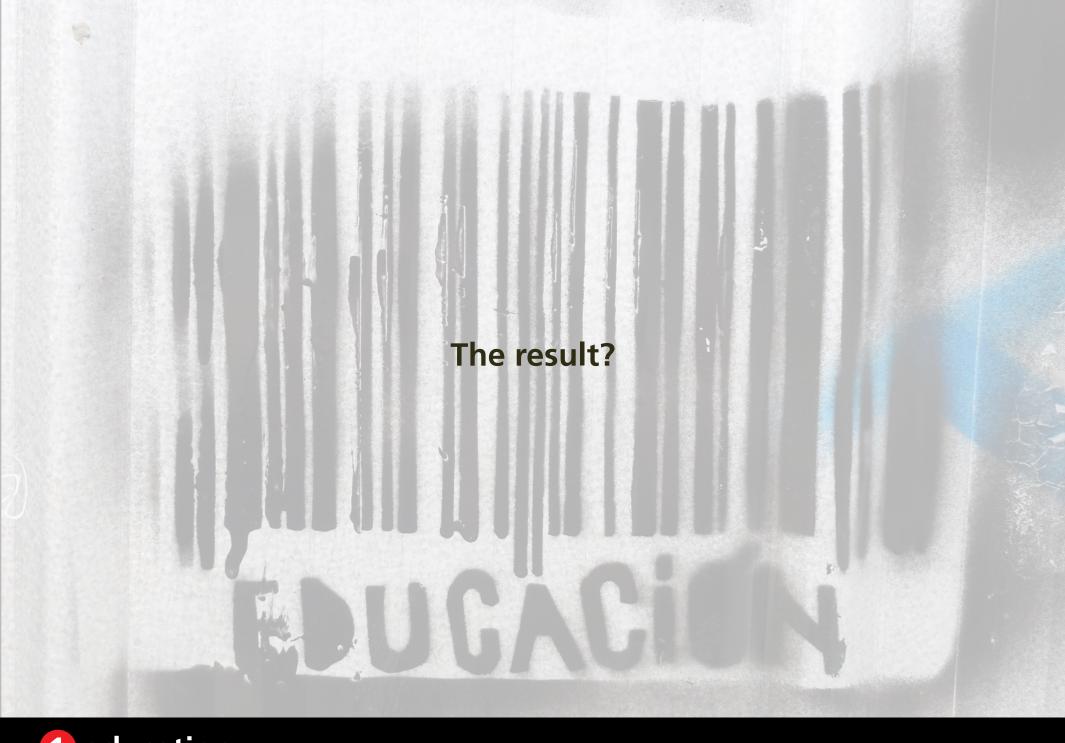






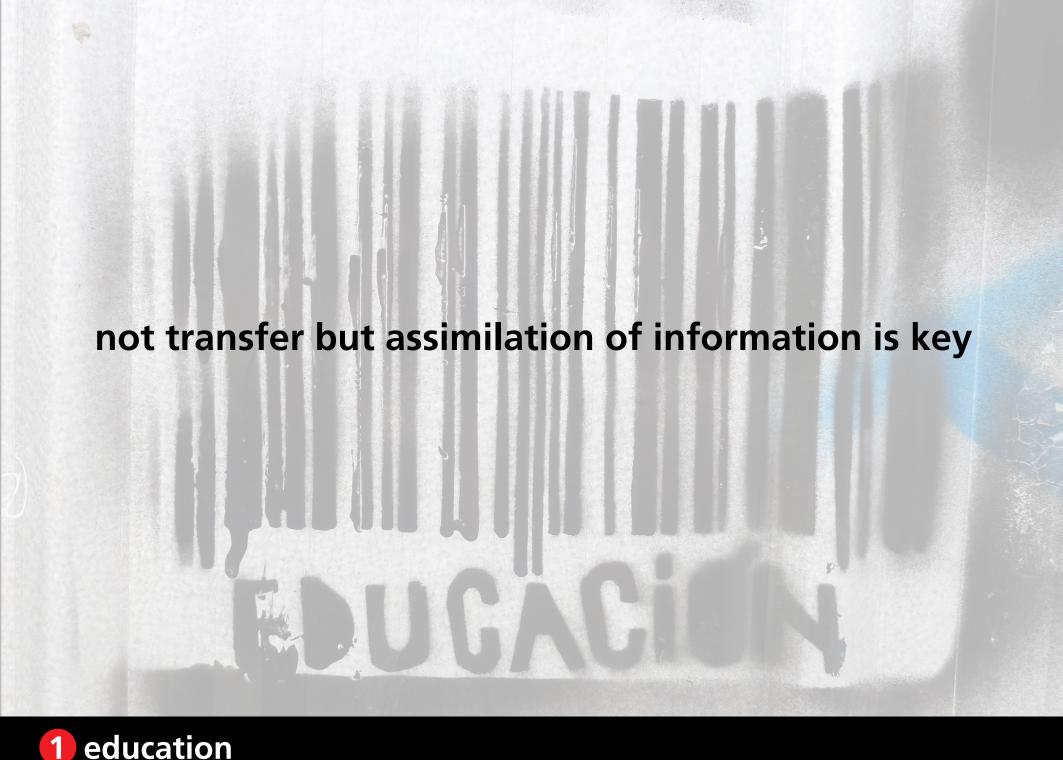














1. transfer of information 1 education

1. transfer of information

2. assimilation of that information

1. transfer of information (in class)

2. 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)

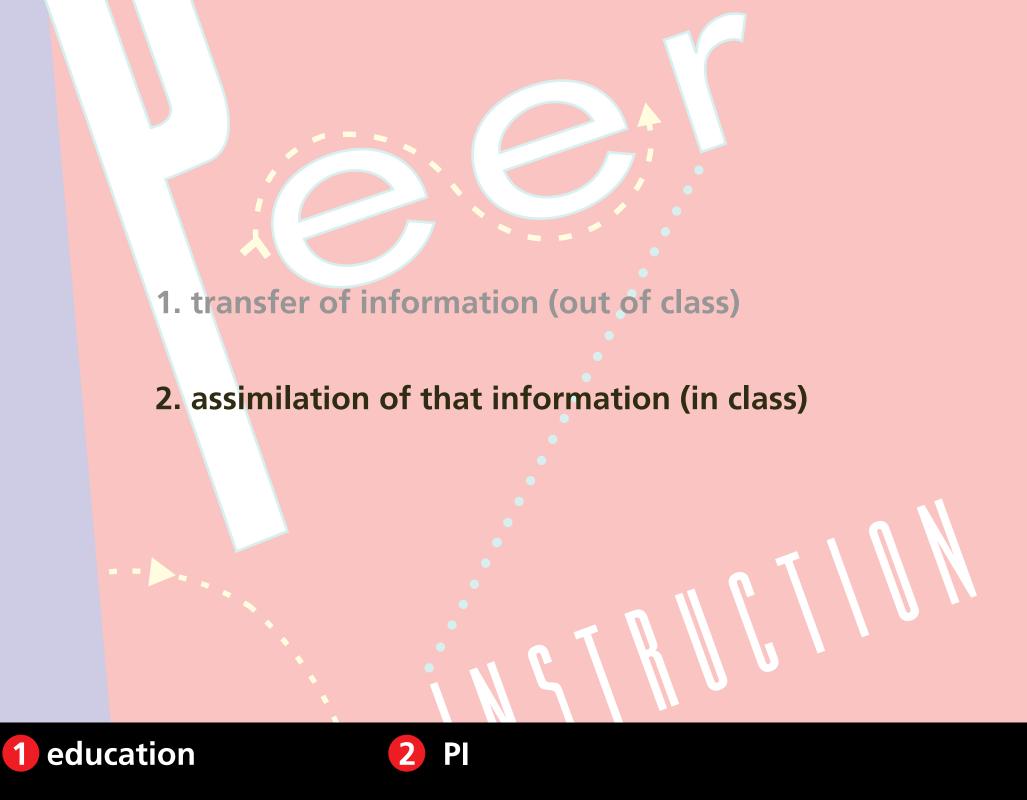
2. assimilation of that information (out of class)

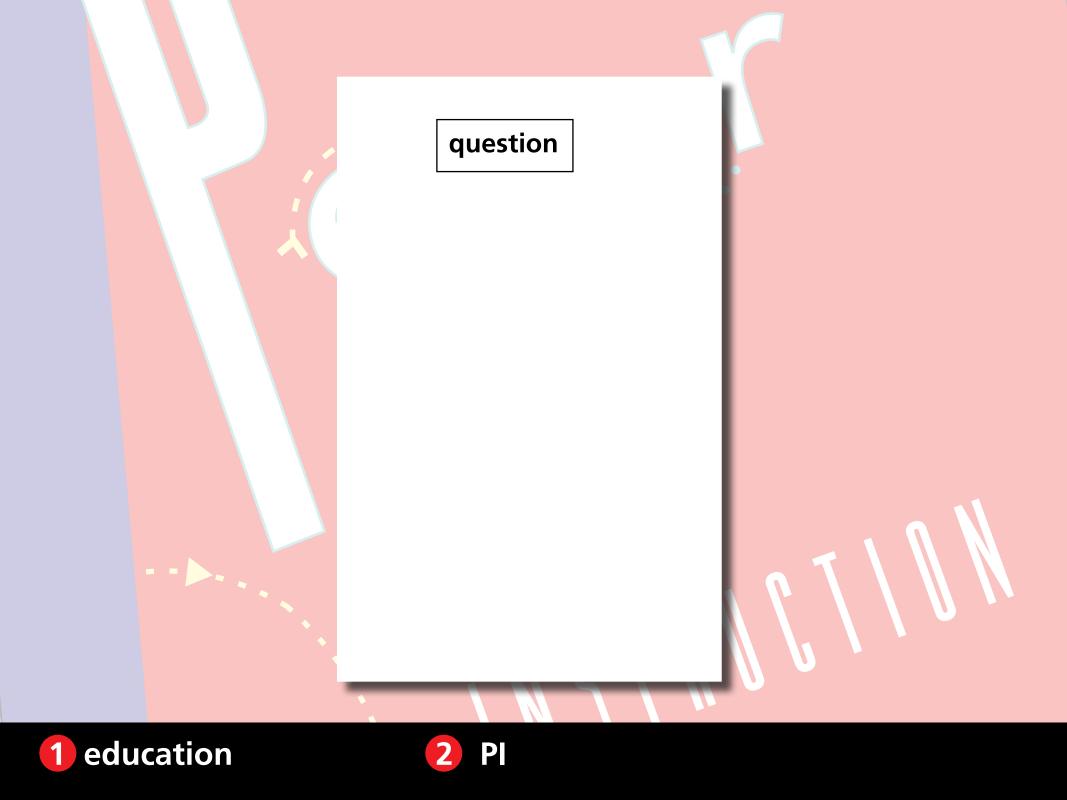
1. transfer of information (in class)

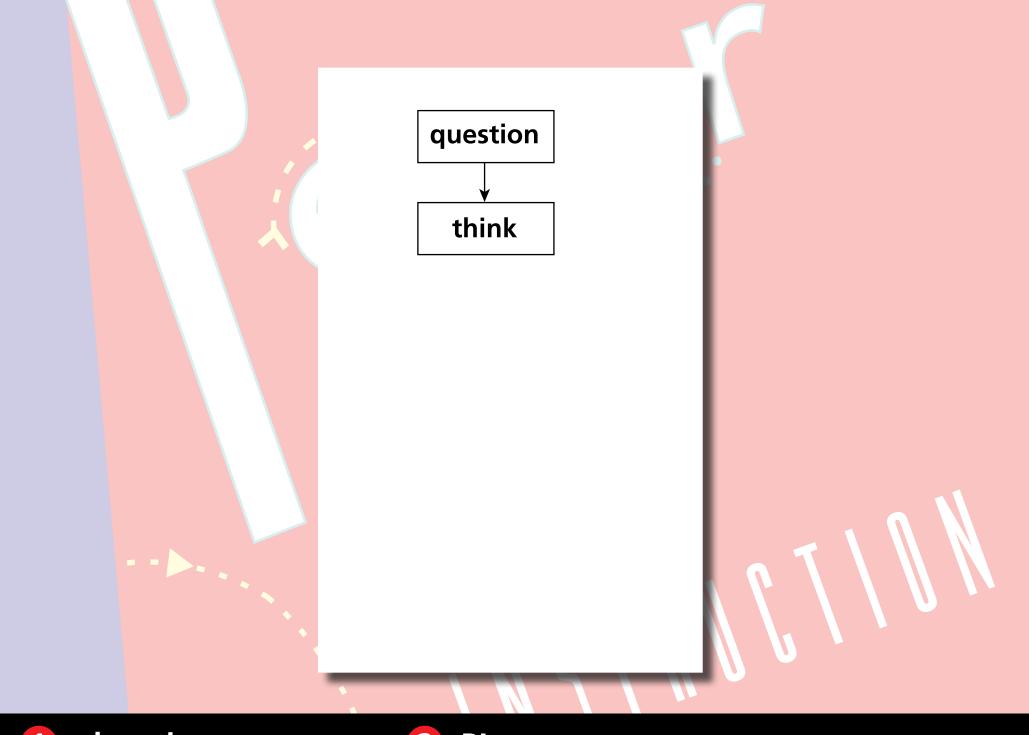
2. assimilation of that information (out of class)

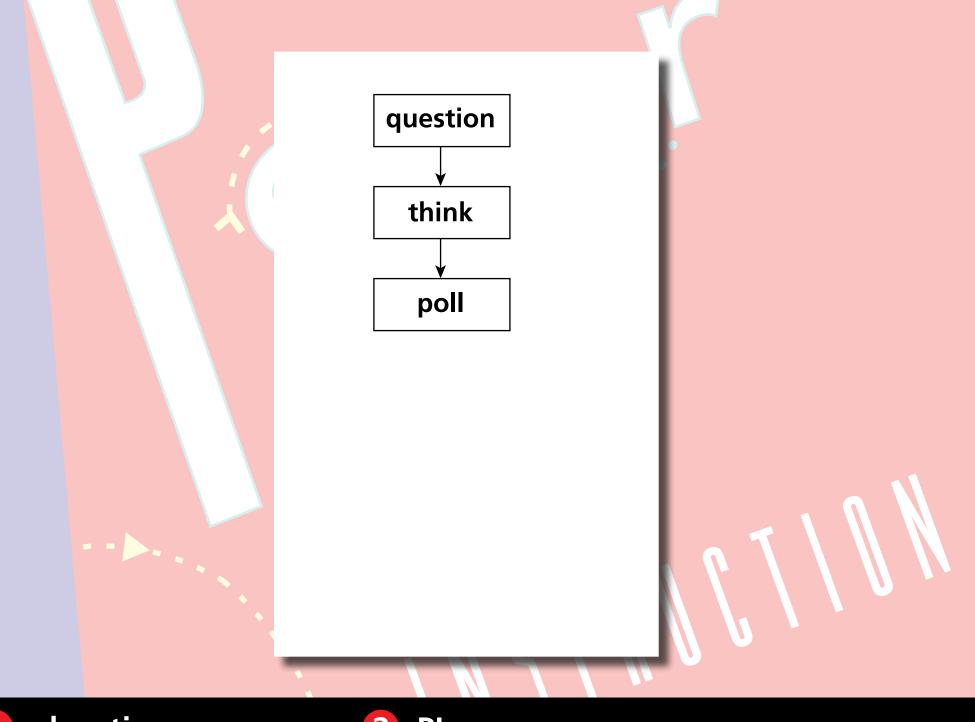
1. transfer of information (out of class)

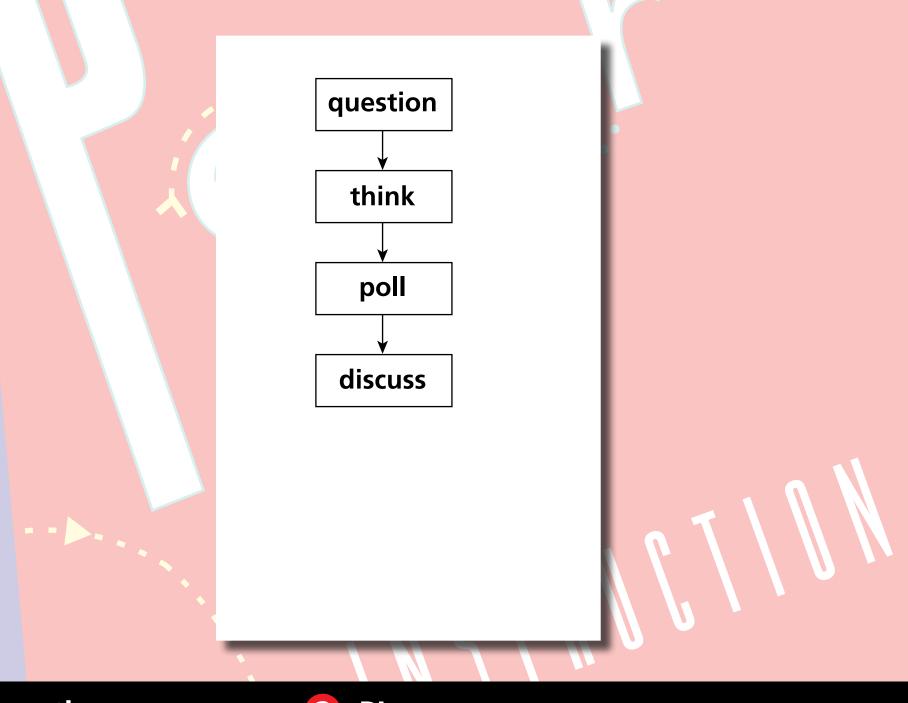
2. assimilation of that information (in class)

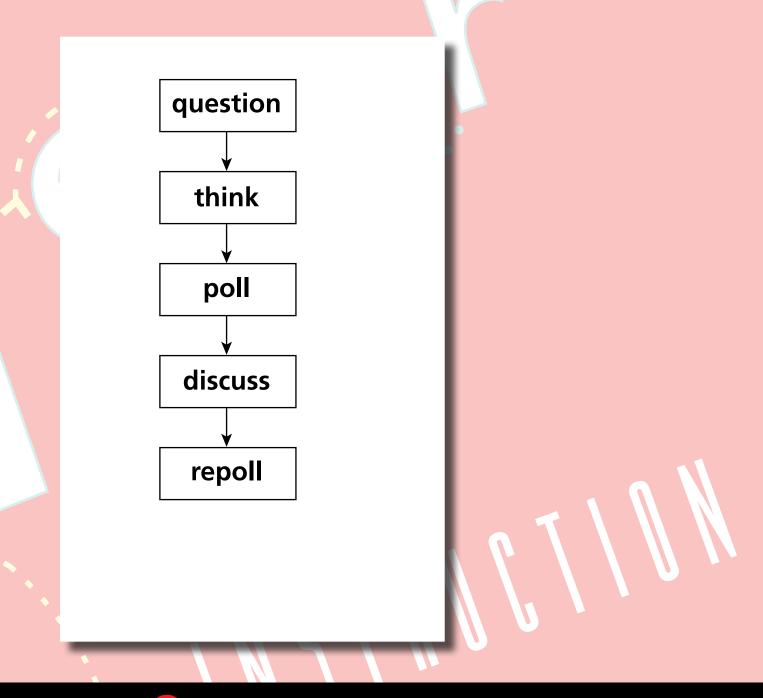


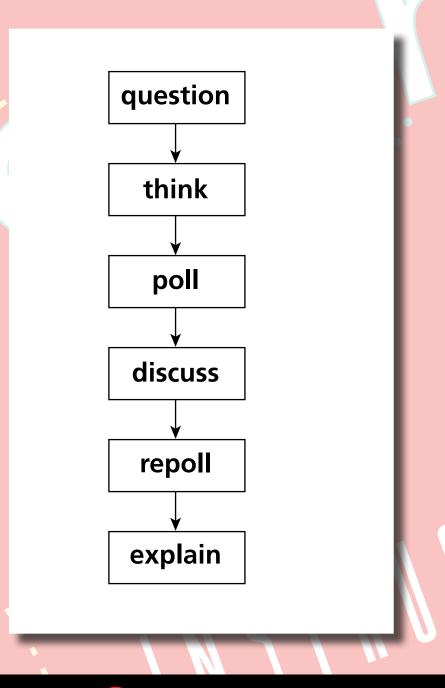


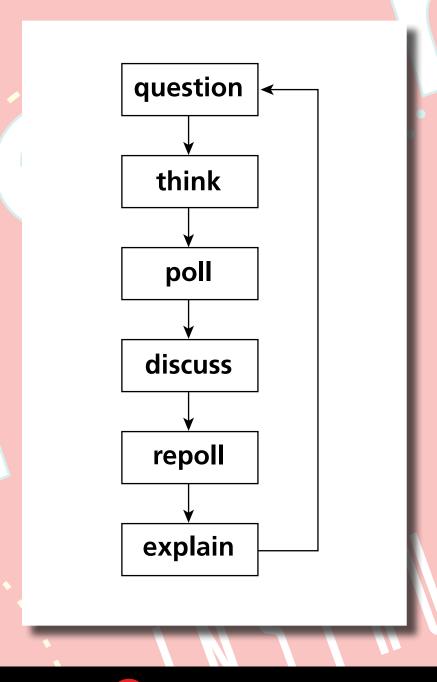


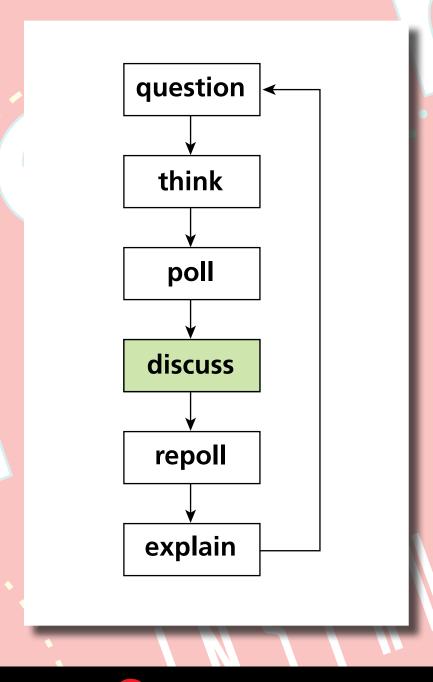


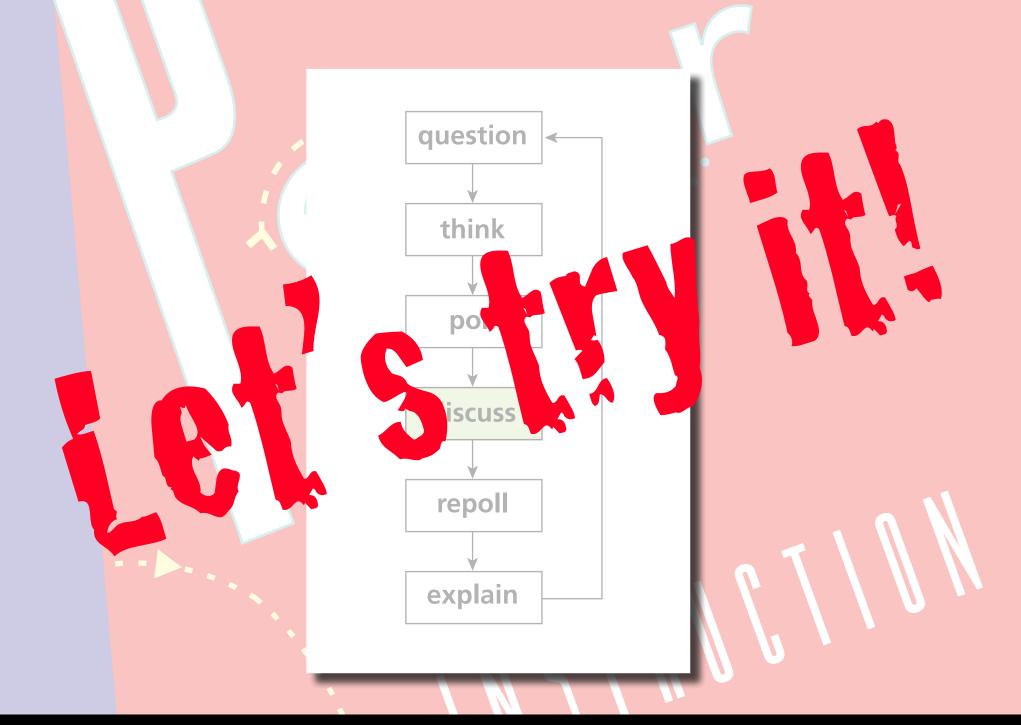




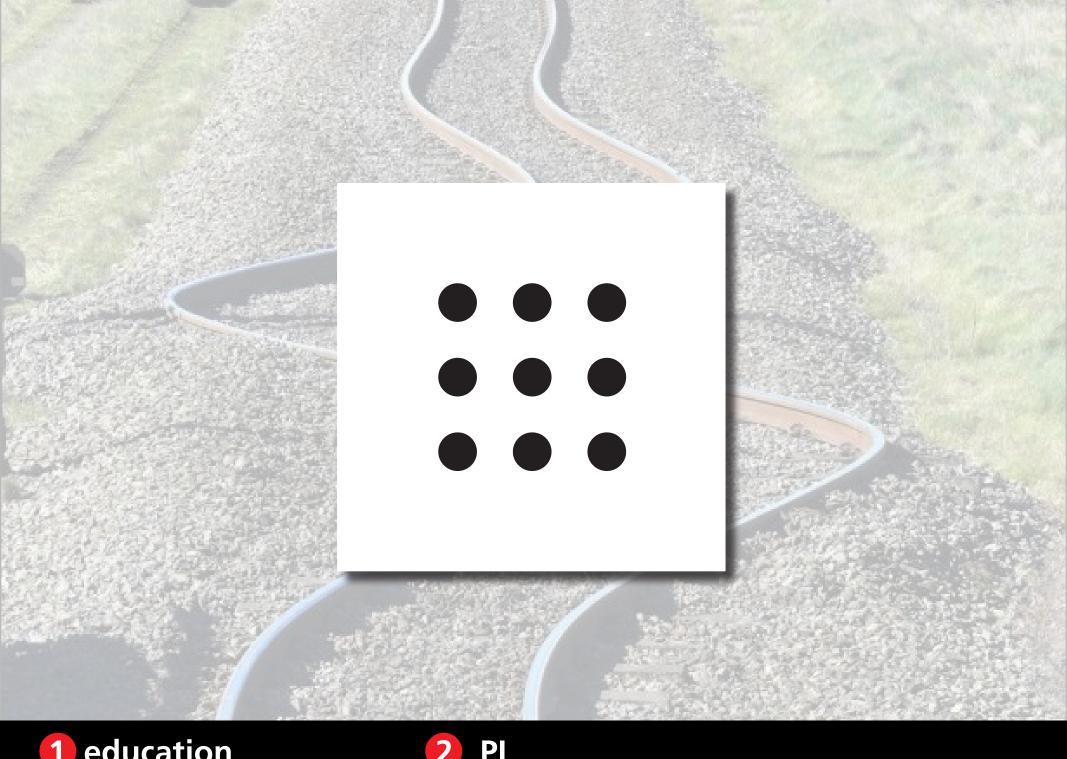


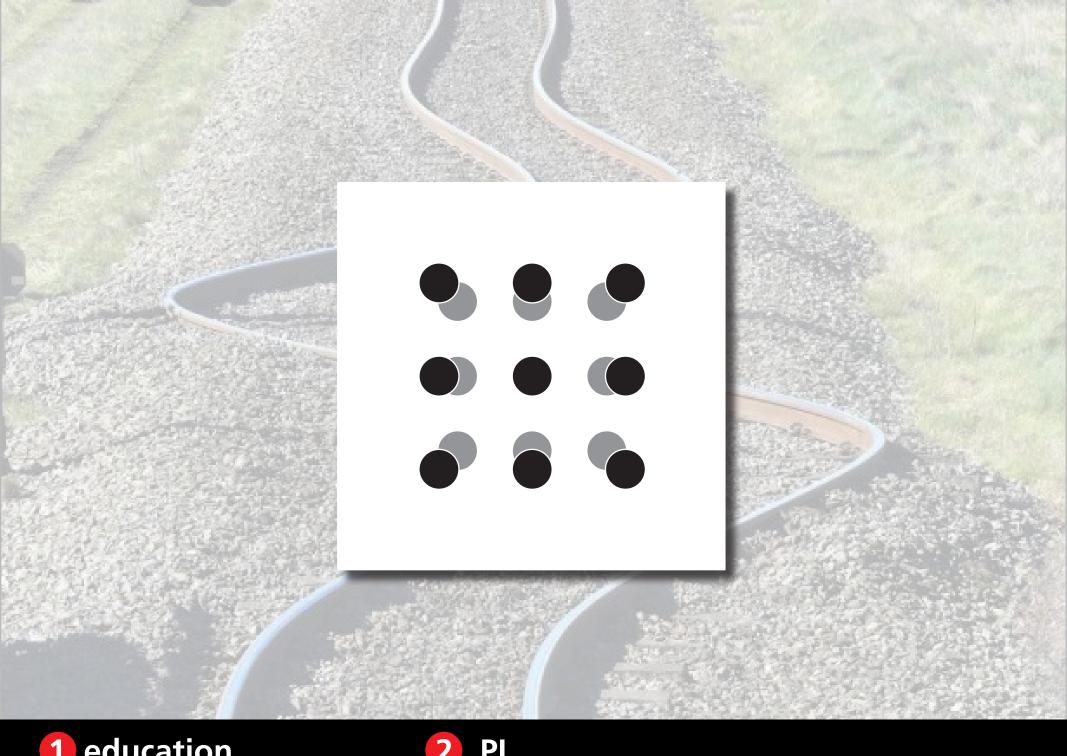






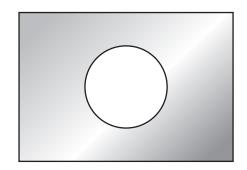






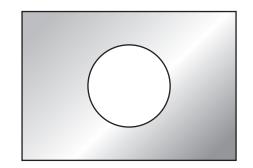




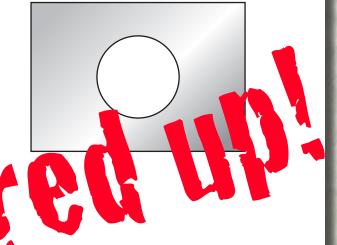


When the plate is uniformly heated, the diameter of the hole

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



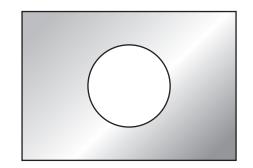
When the plate is uniformly heated, the diameter of the hold



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

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

You...

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

You...

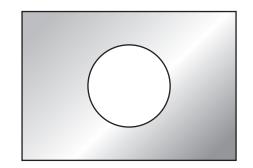
- 1. made a commitment
- 2. externalized your answer
- 3. moved from the answer/fact to reasoning

You...

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

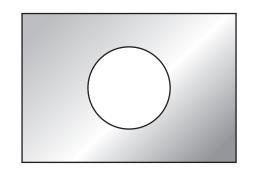
When the plate is uniformly heated, the diameter of the hole

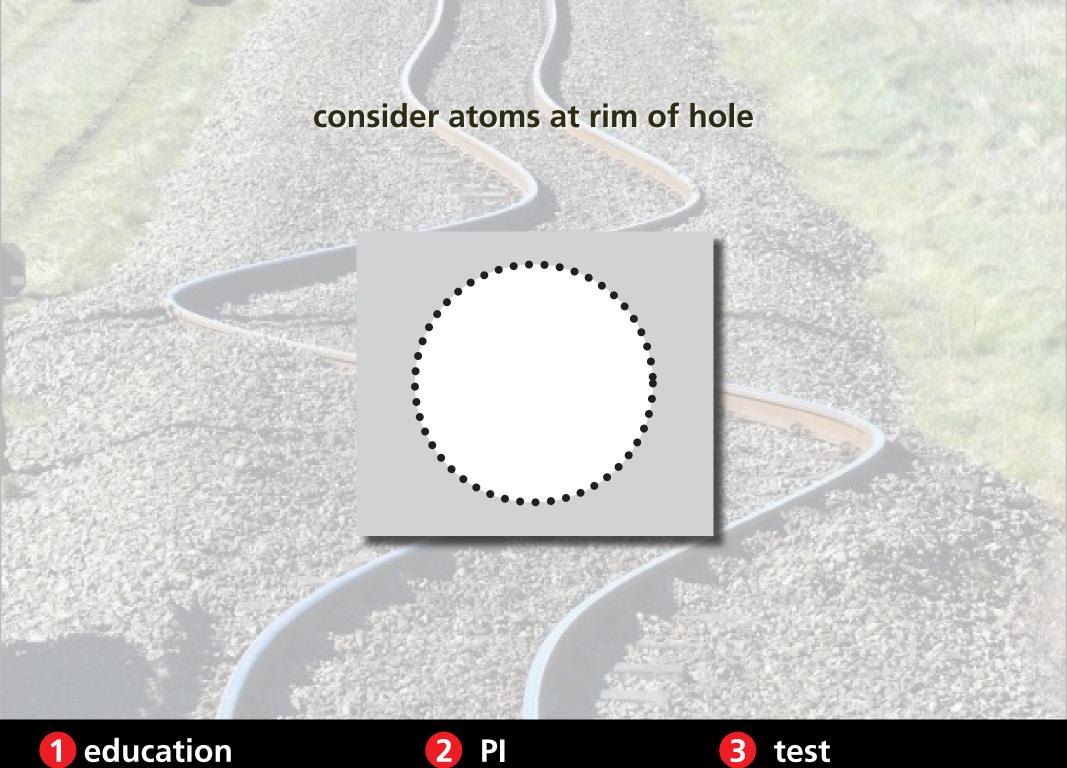
- 1. increases.
- 2. stays the same.
- 3. decreases.

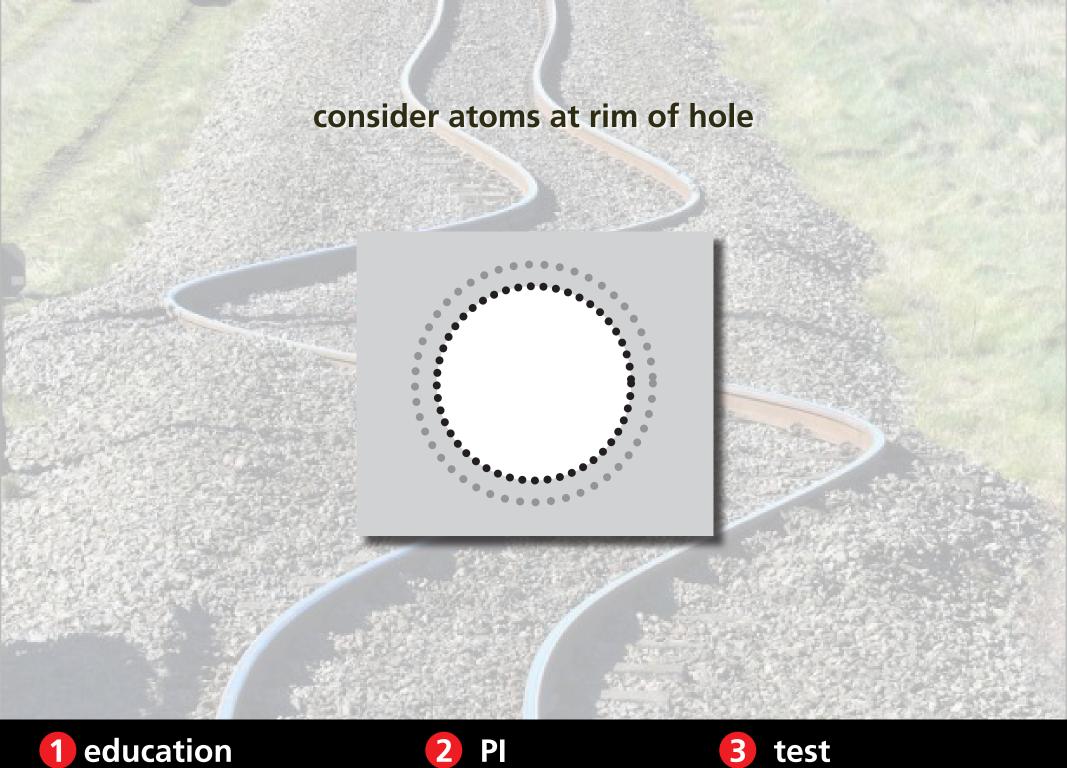


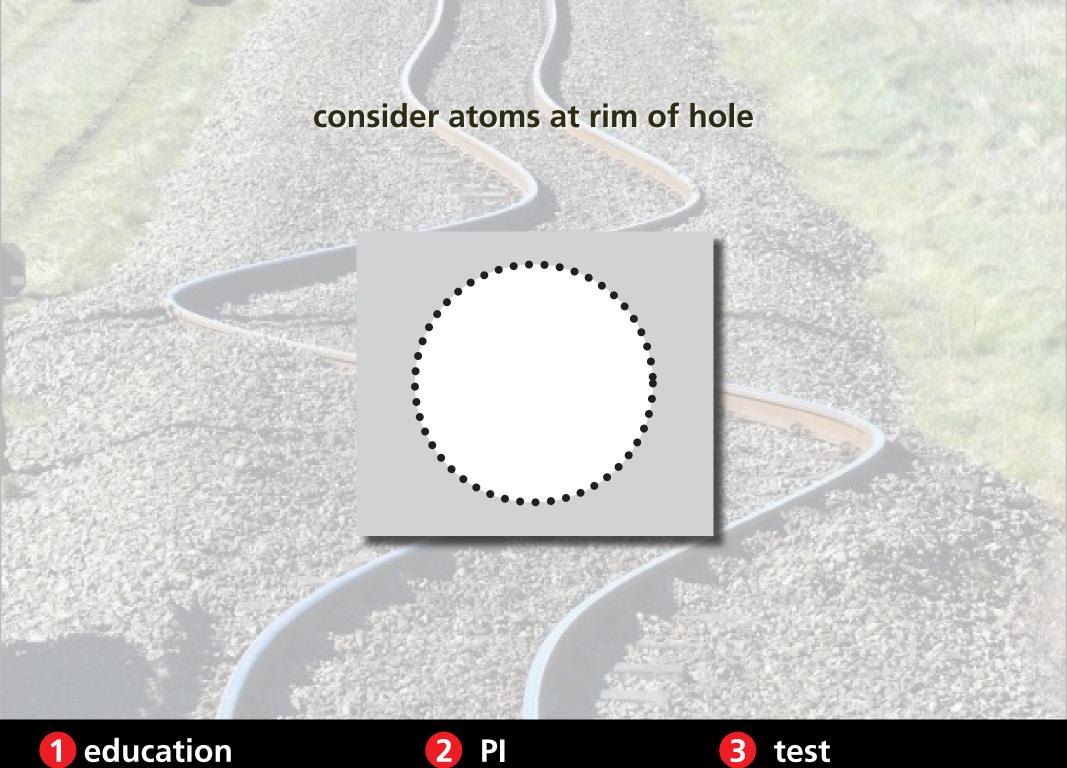
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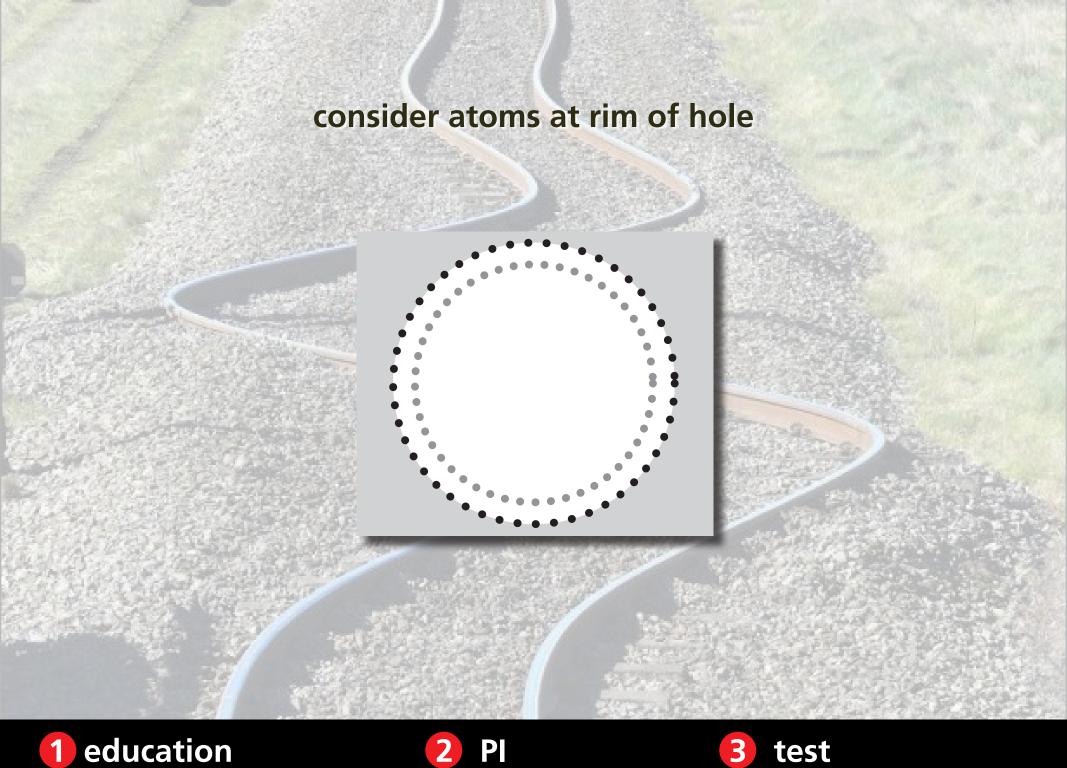
- 1. increases.
- 2. stays the same.
- 3. decreases.















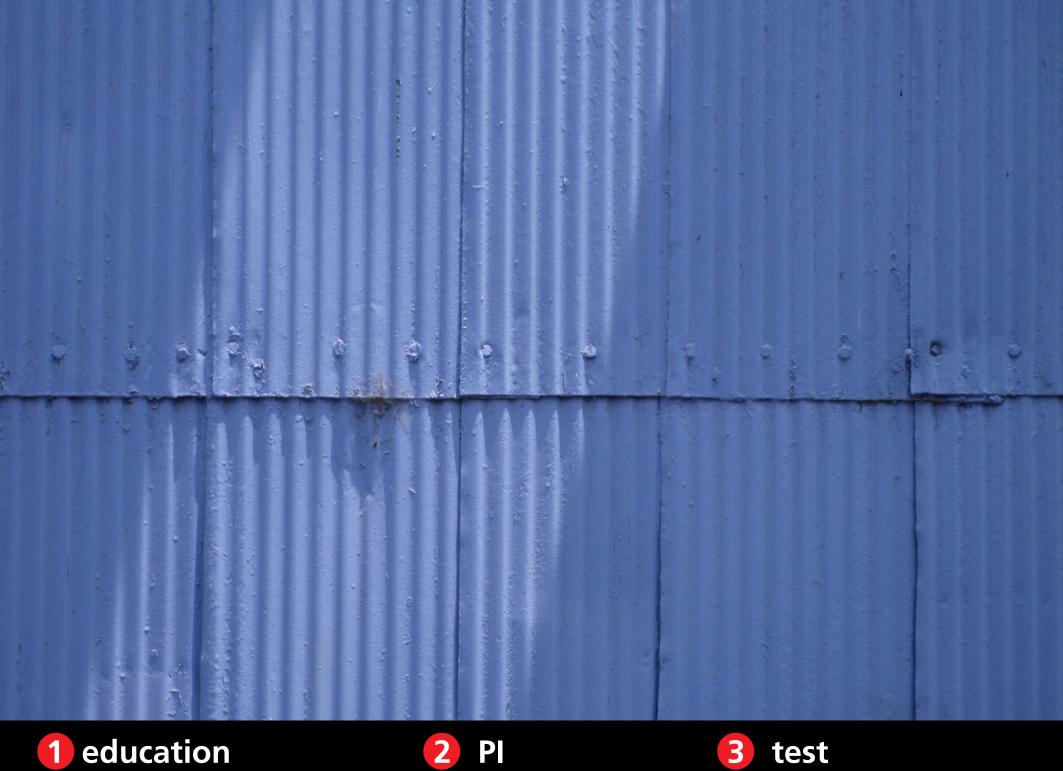








test



PI

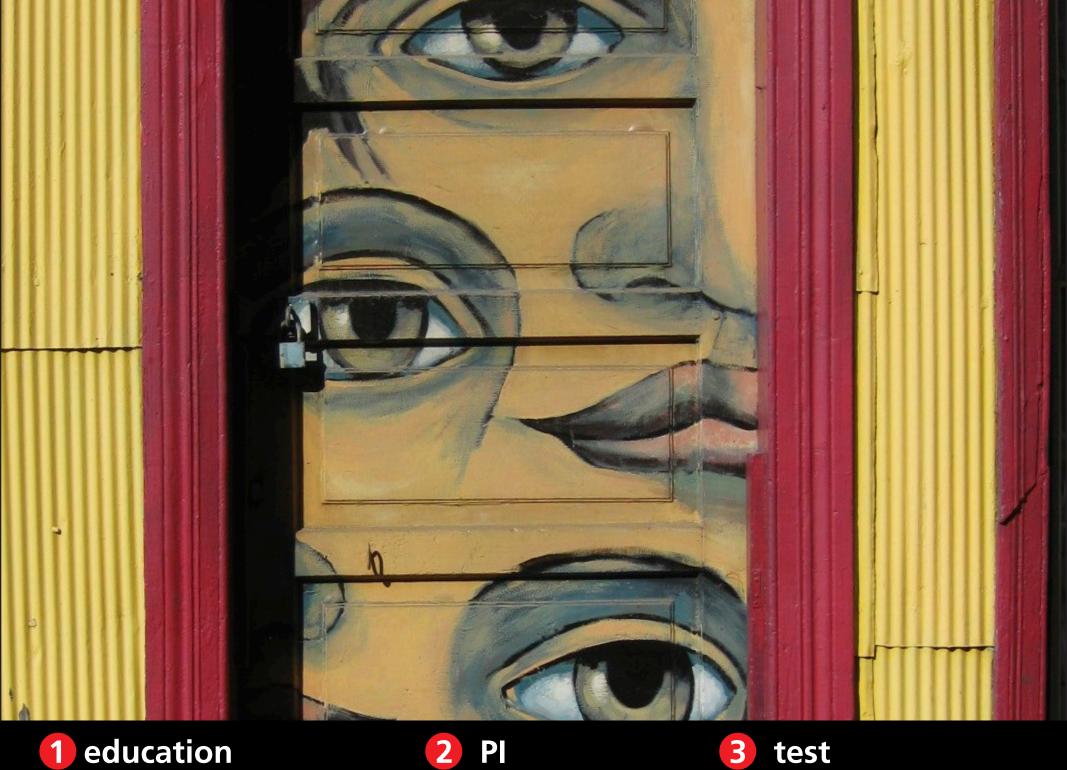
1. don't pay utmost attention

- 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 tre 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!

With a simple change, Peer Instruction... • teaches real problem solving encourages risk taking education test



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