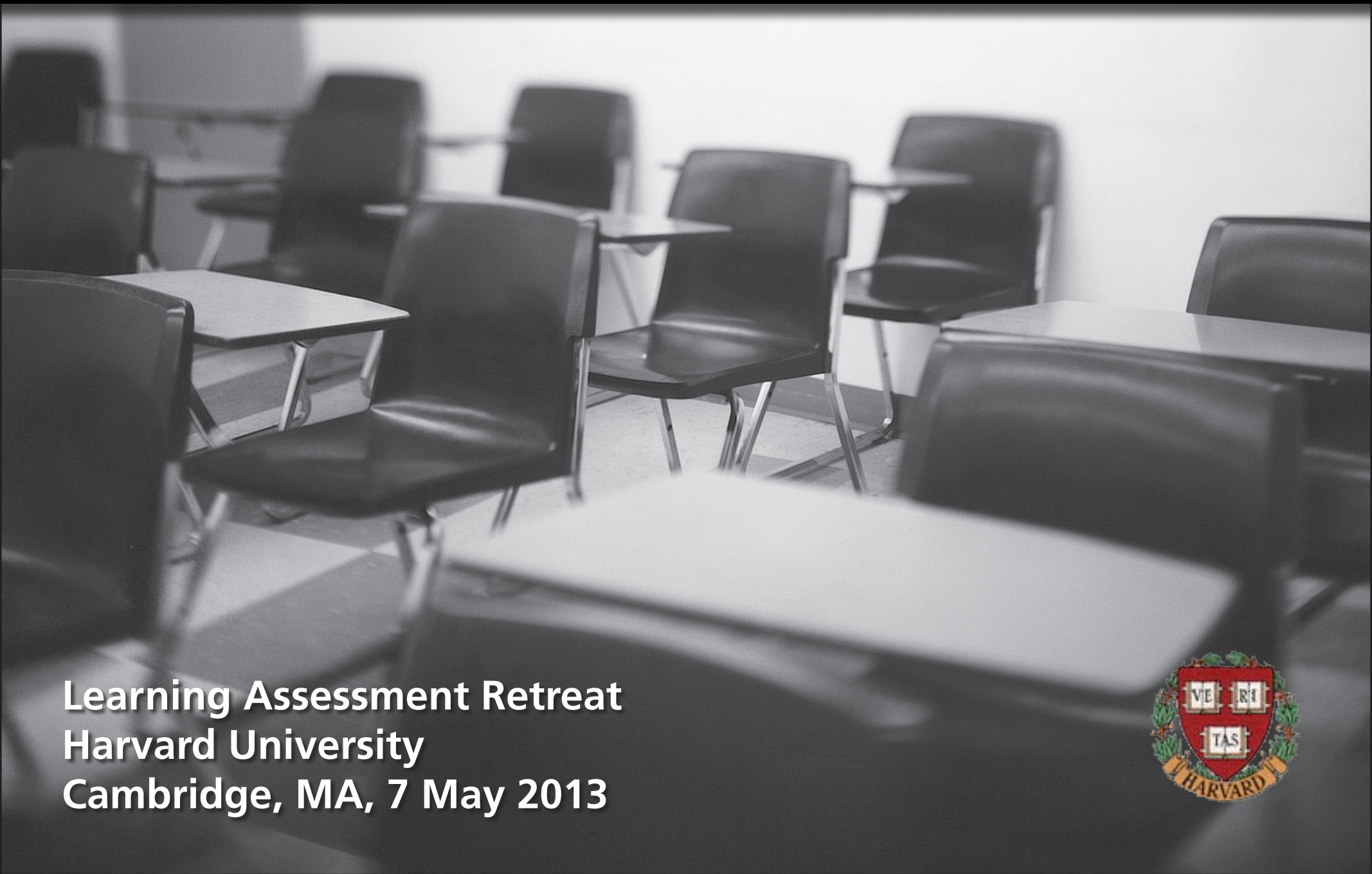
Promoting ownership of learning with authentic assessment



Learning Assessment Retreat
Harvard University
Cambridge, MA, 7 May 2013

Promoting ownership of learning with authentic assessment

Learning Assessment Retreat
Harvard University
Cambridge, MA, 7 May 2013

kosten
1. die Kosten (pl.)
2. kostbar
krank
455
1. die Krankheit, —, —en
377
magnificen
glo
1. magnifice
2. master
428
kennen irreg.
kannte-gekannt
1. kennen-lernen
2. erkennen
3. bekannt
4. der Bekannte (adj. as n.)
lendid
430
das Kind, —(e)s, —er
1. kindisch
2. kindlich
cow
der Kellner, —s, —
1. der Keller, —s, —
poco rit

kosten
1. die Kosten (pl.)
2. kostbar
krank
die Krankheit, —, —en
455
377
kennen
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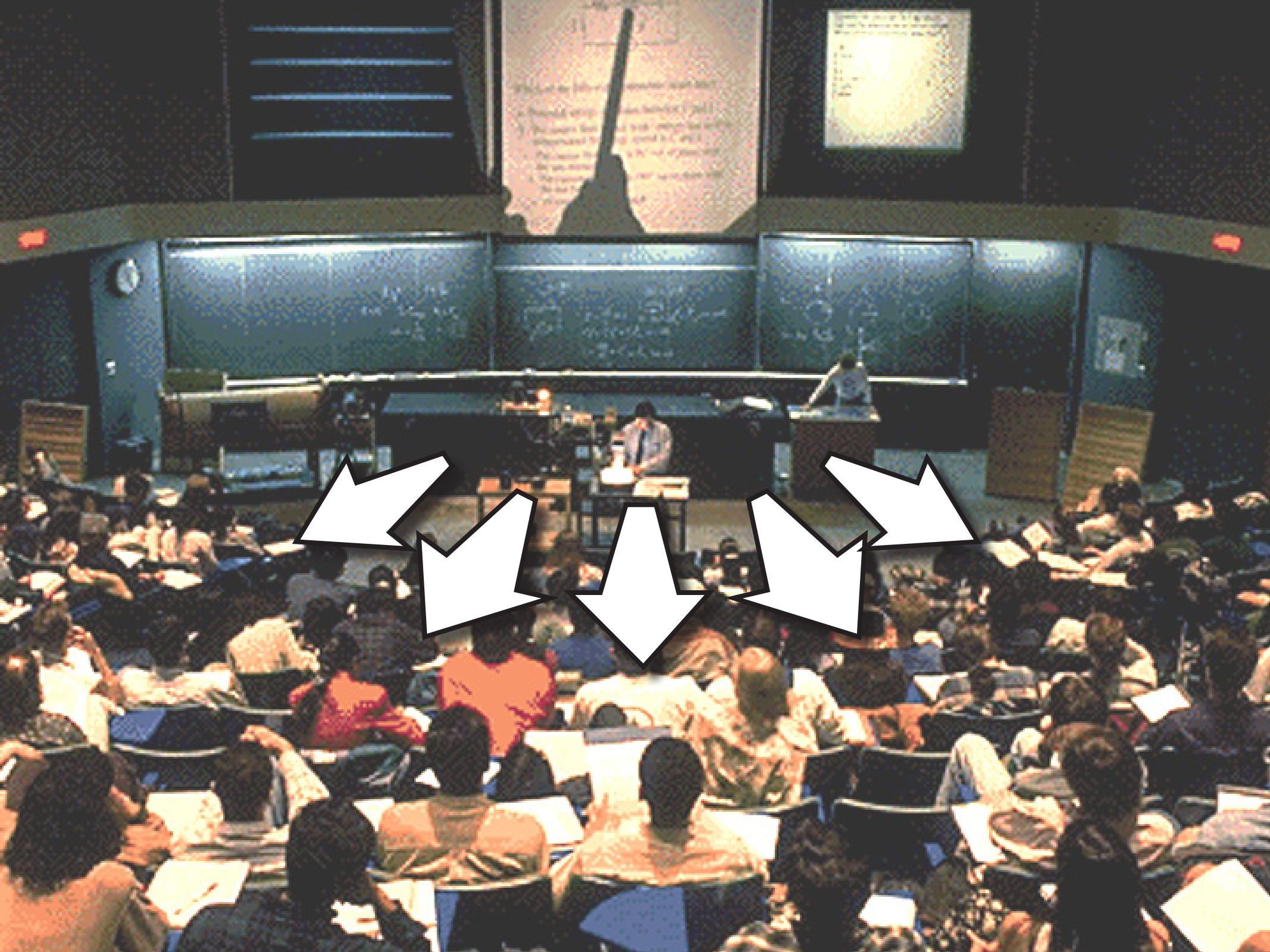
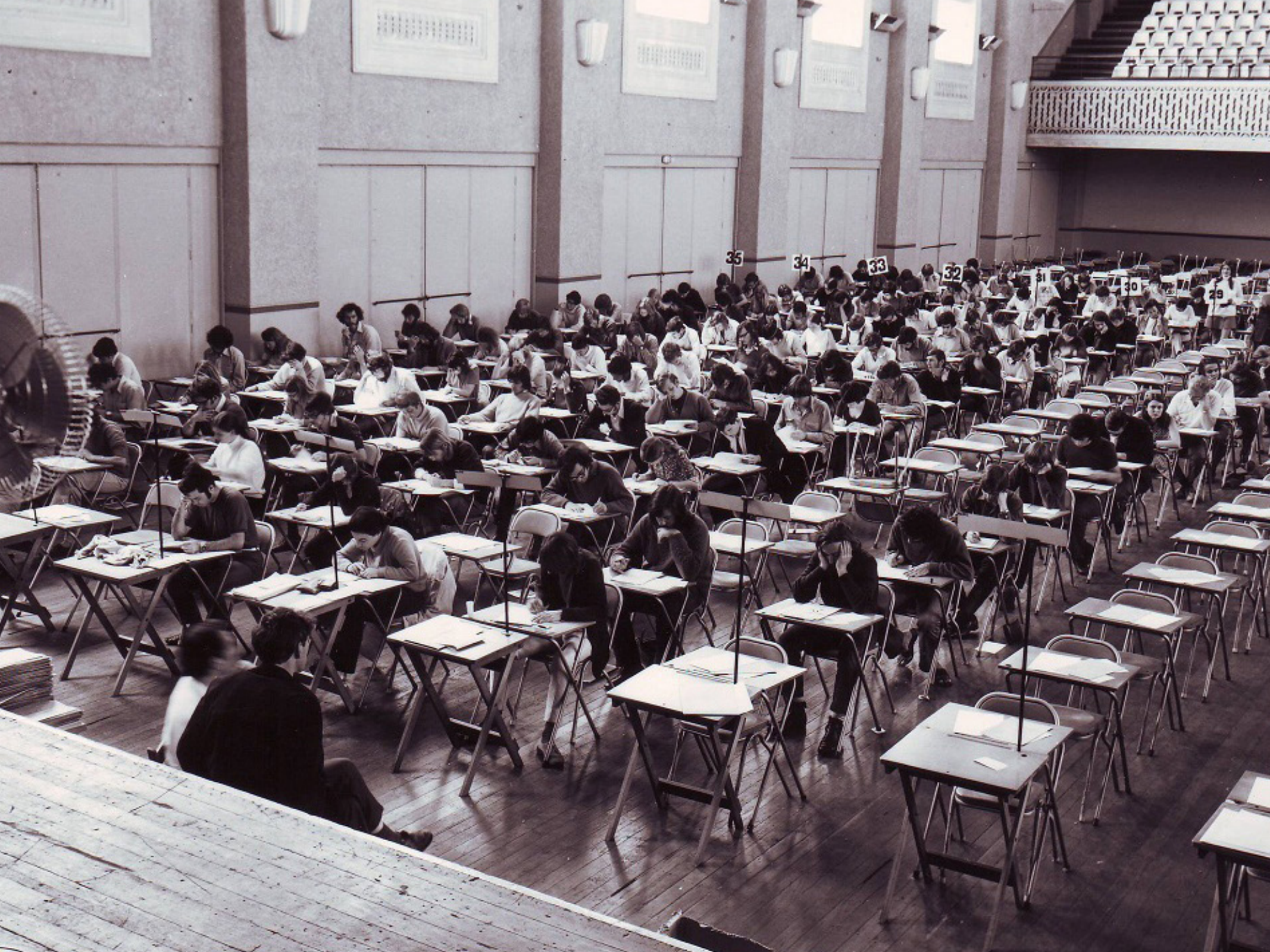
1. kennen-lernen
2. erkennen
3. bekannt
4. der Bekannte (adj. as n.)
428
Verizon 3G
4:20 PM
Flashcard
Back
23 of 100
pedantic
adj. ostentatious in one's learning
Search
Popular
Subjects
Grade Levels
Standardized

kosten
1. die Kosten (pl.)
2. kostbar
krank
1. die Krankheit, —, —en
kennen
kannte-gekannt
1. kennen-lernen
2. erkennen
3. bekannt
4. der Bekannte (adj. as n.)
pedantic
adj. ostentatious in one's learning
Popular
Grade Levels
Standardized
35% retained
after 1 week

we only guarantee
they'll pass the test

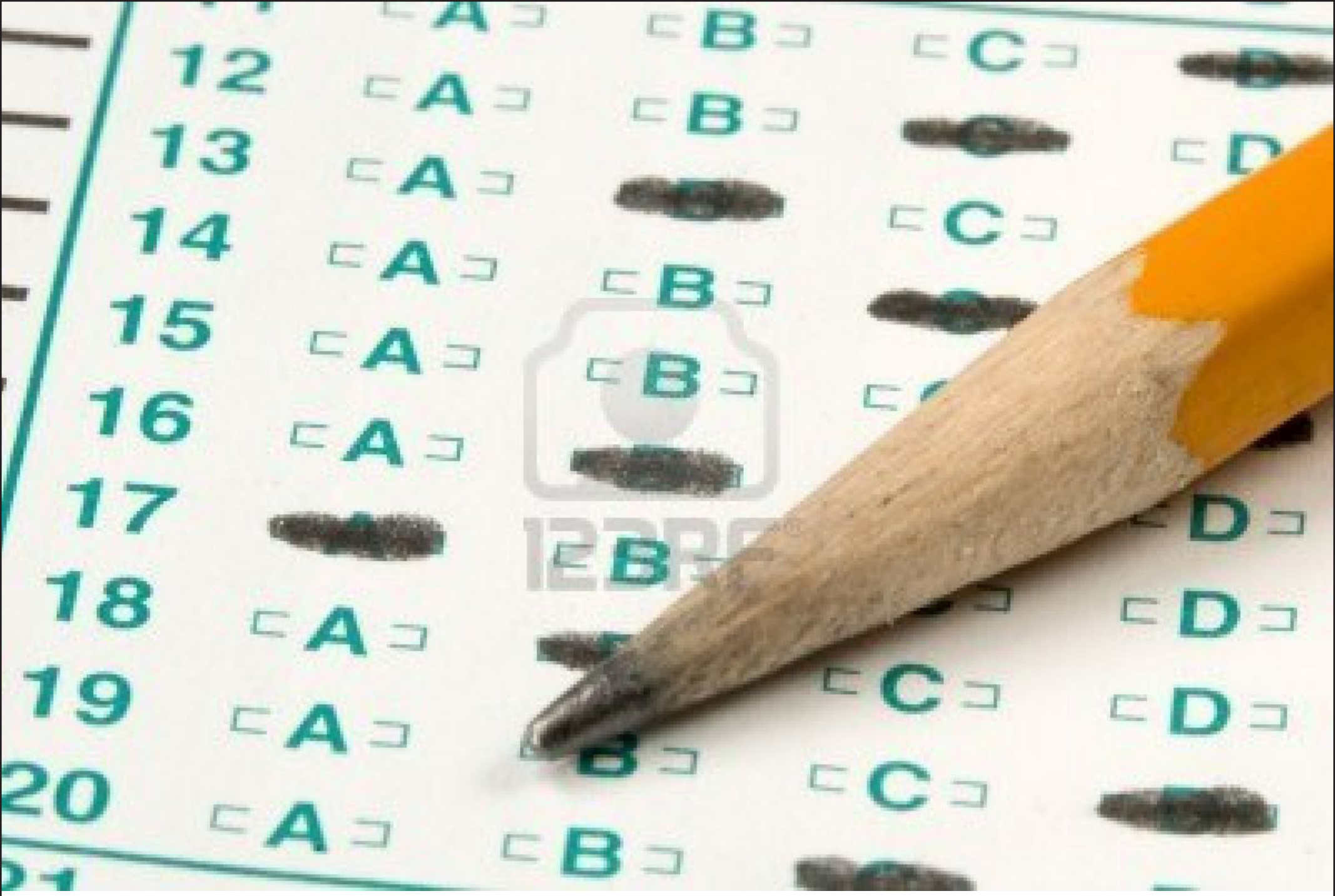
5-minute university




35
34
33
32
31
30
29

assessment focussed on ranking and classifying,

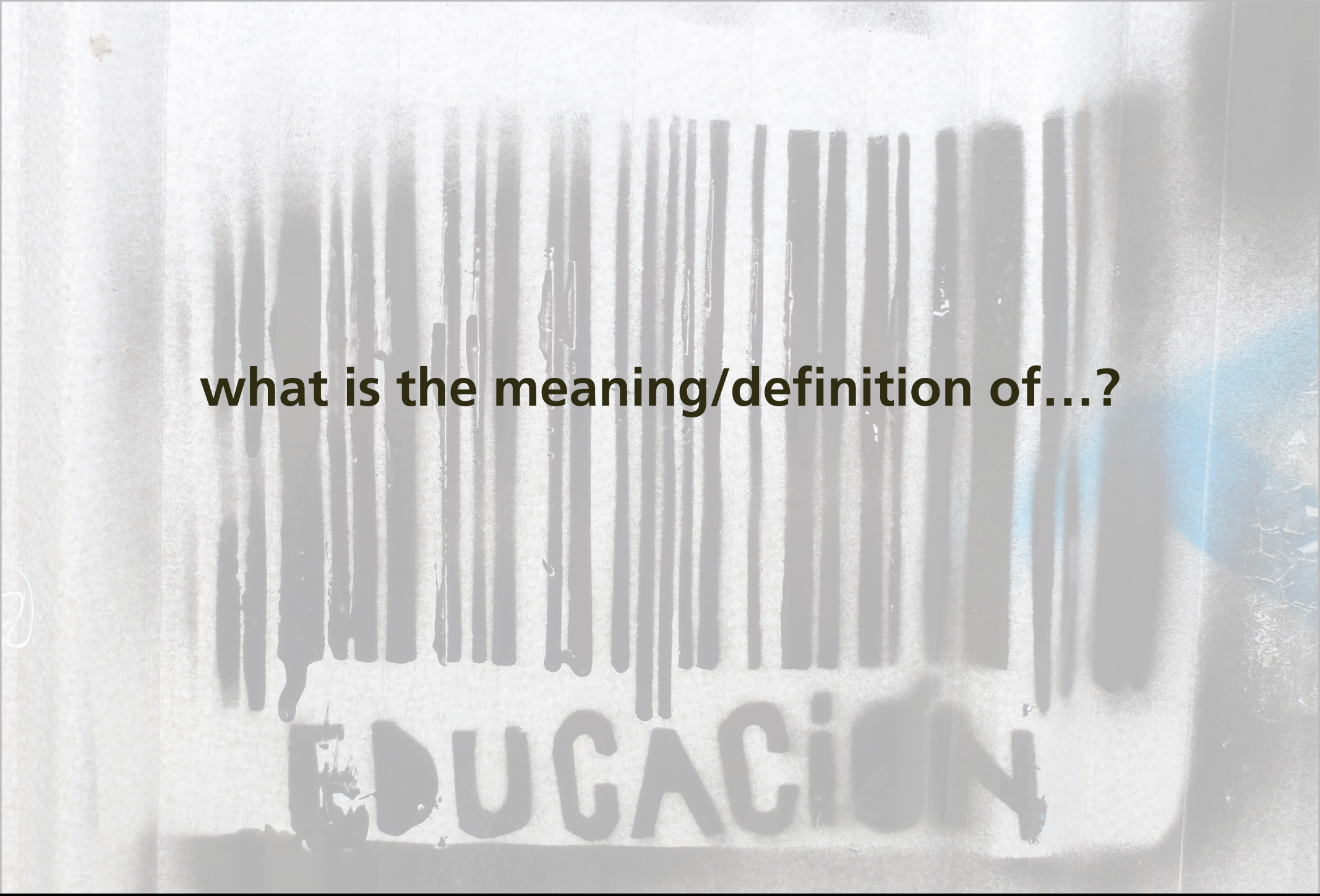
not on developing 21st century skills

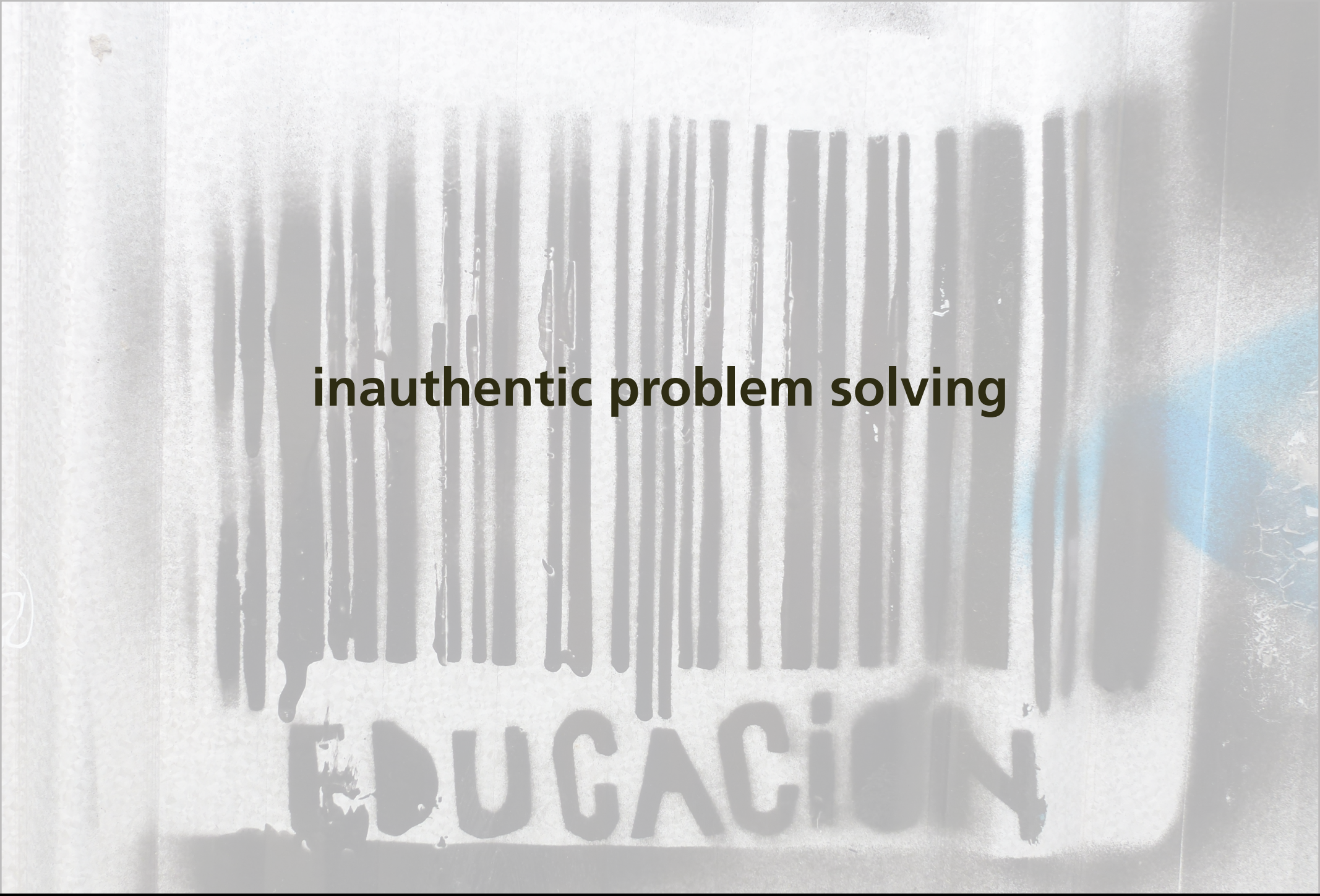


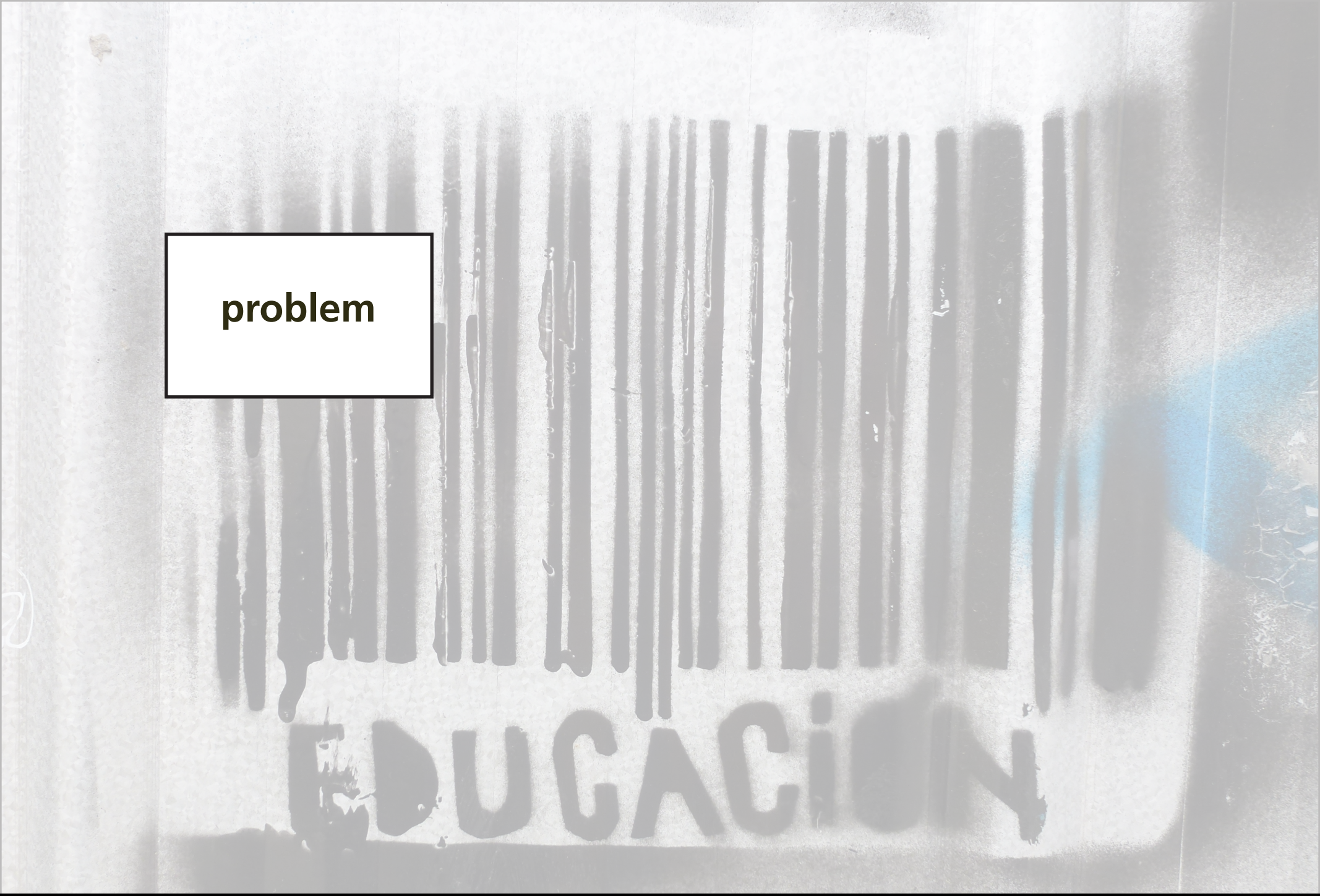
1 what

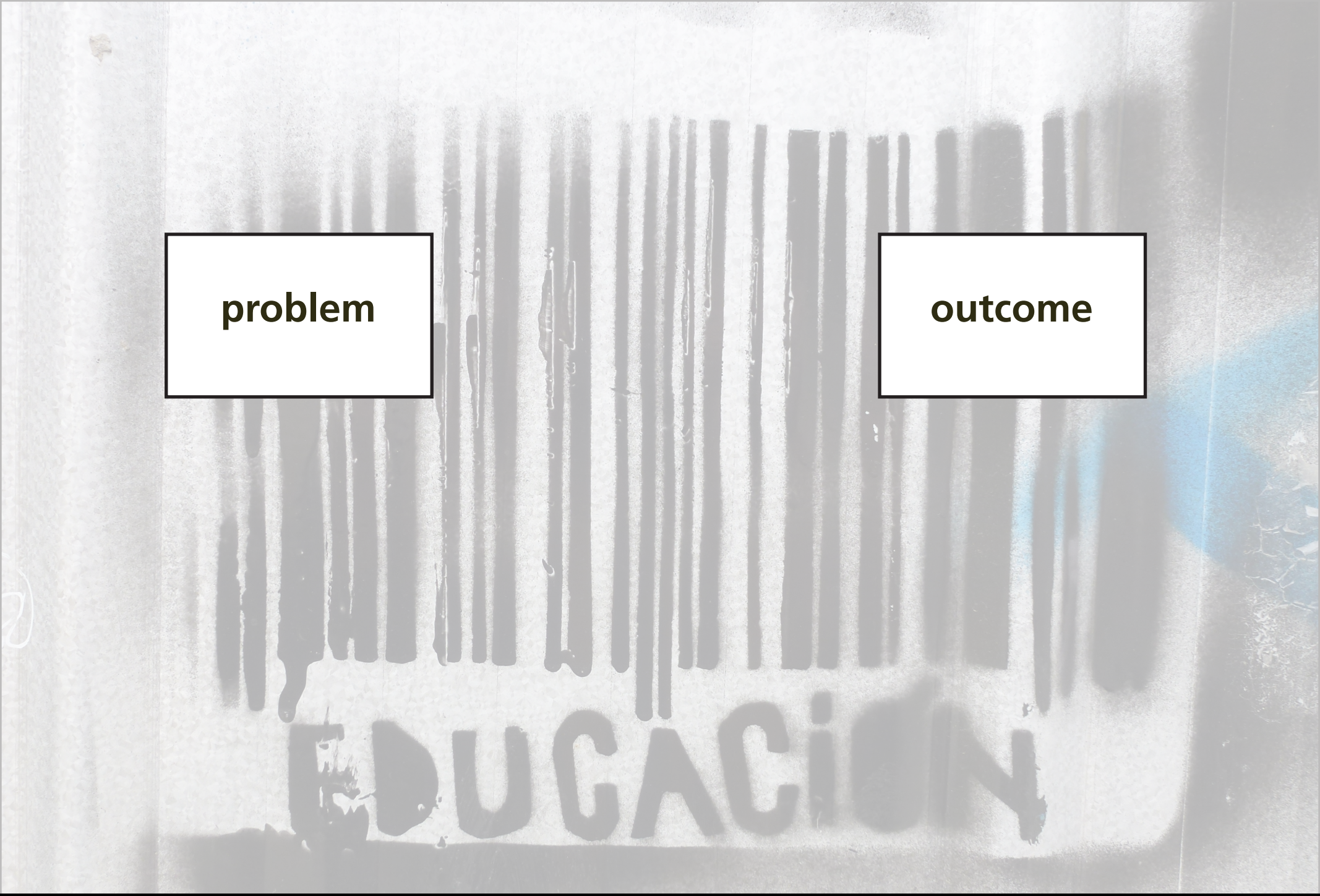
2 how

3 when


what is the meaning/definition of…?
EDUCACIÓN


inauthentic problem solving
EDUCACION


problem
EDUCACION



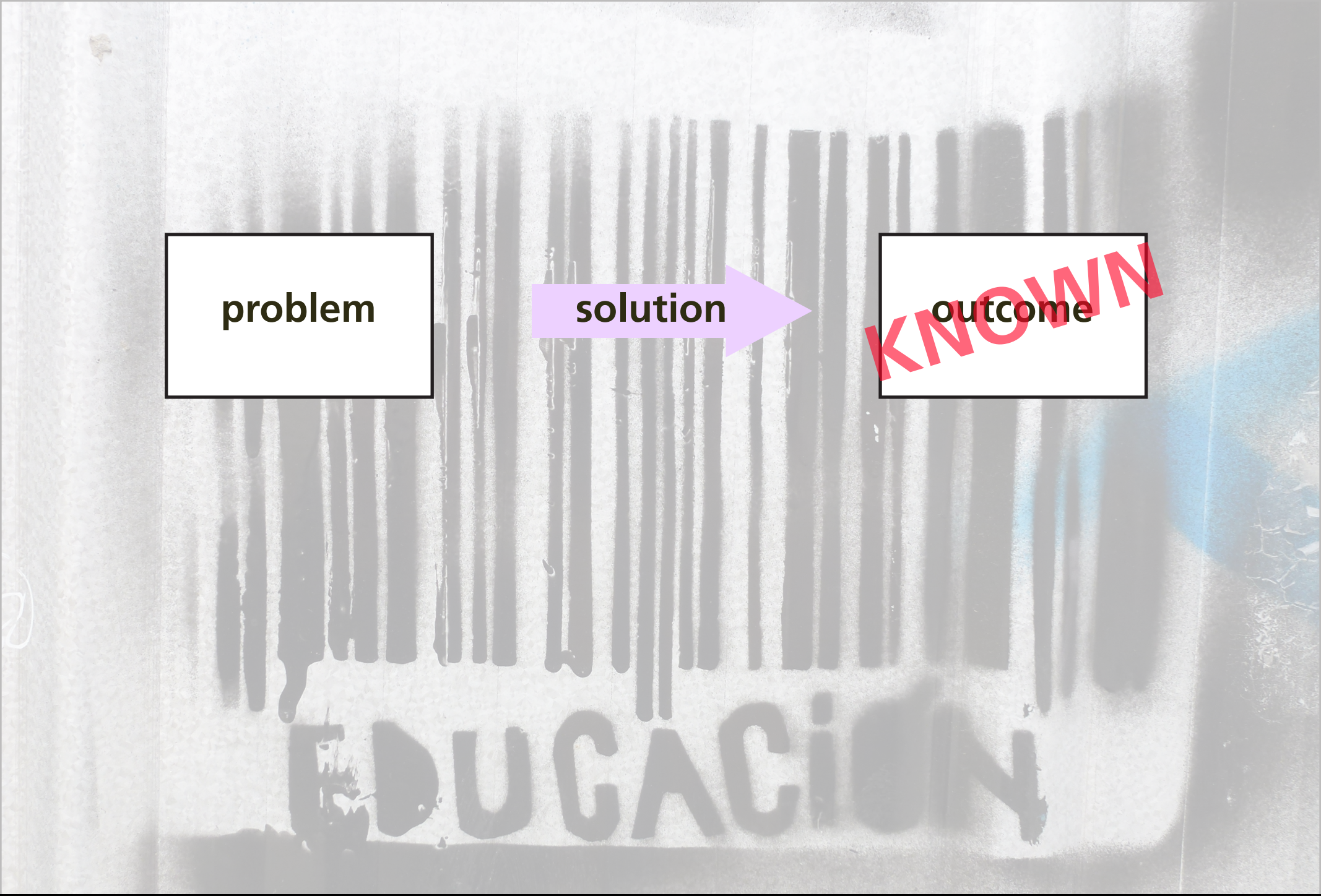
1 what

problem

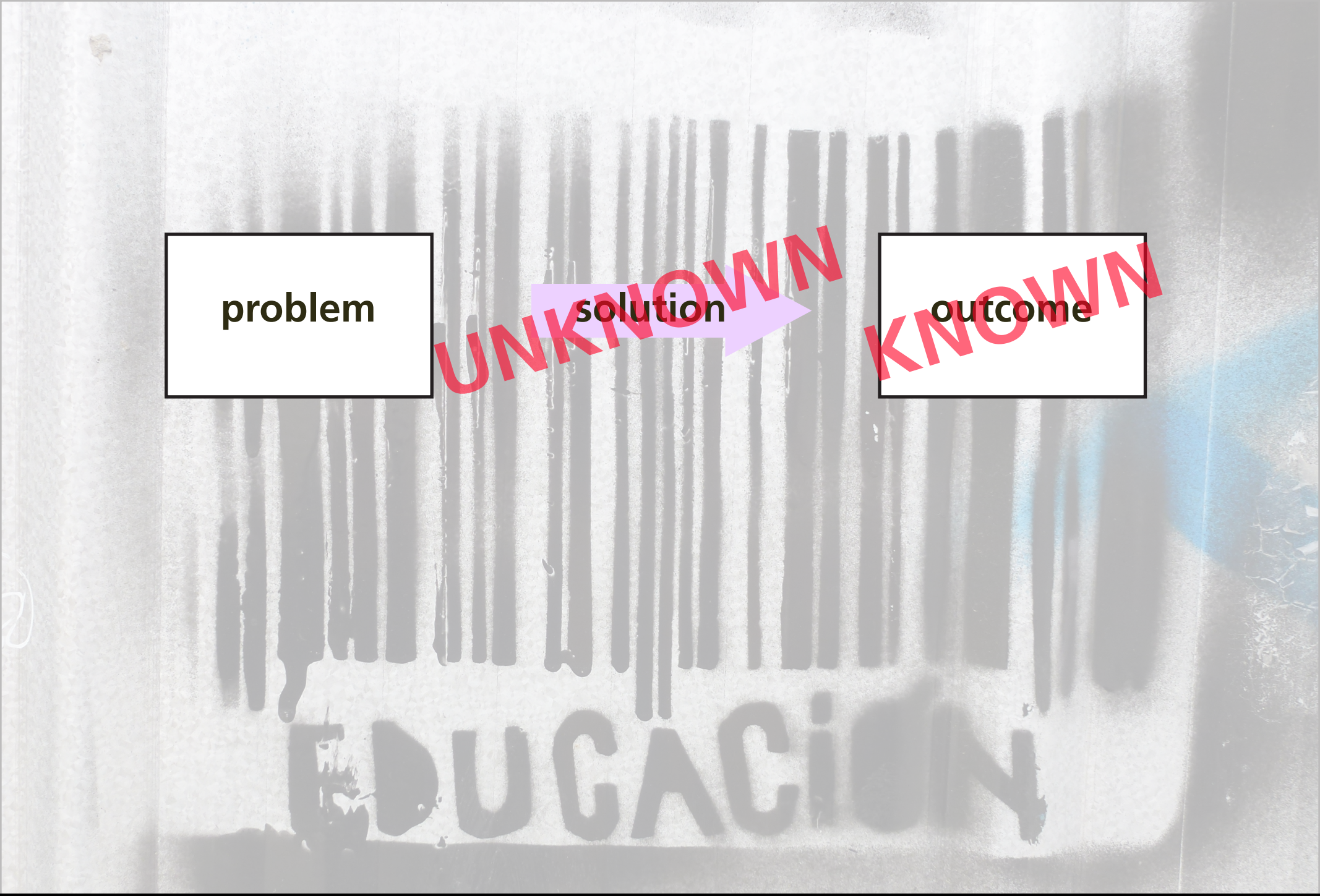
outcome

KNOWN

1 what



1 what



1 what

problem

solution

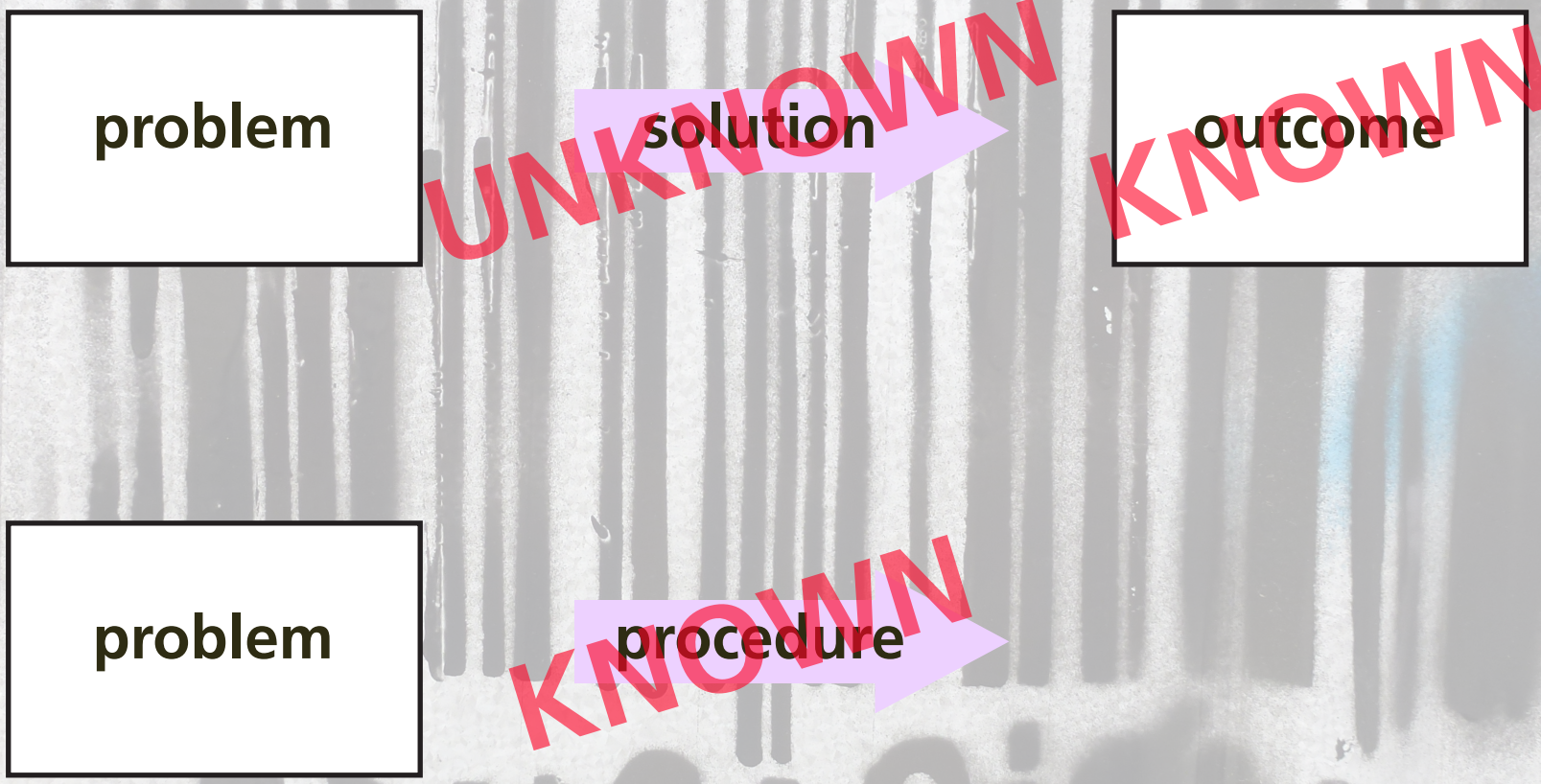
UNKNOWN

outcome

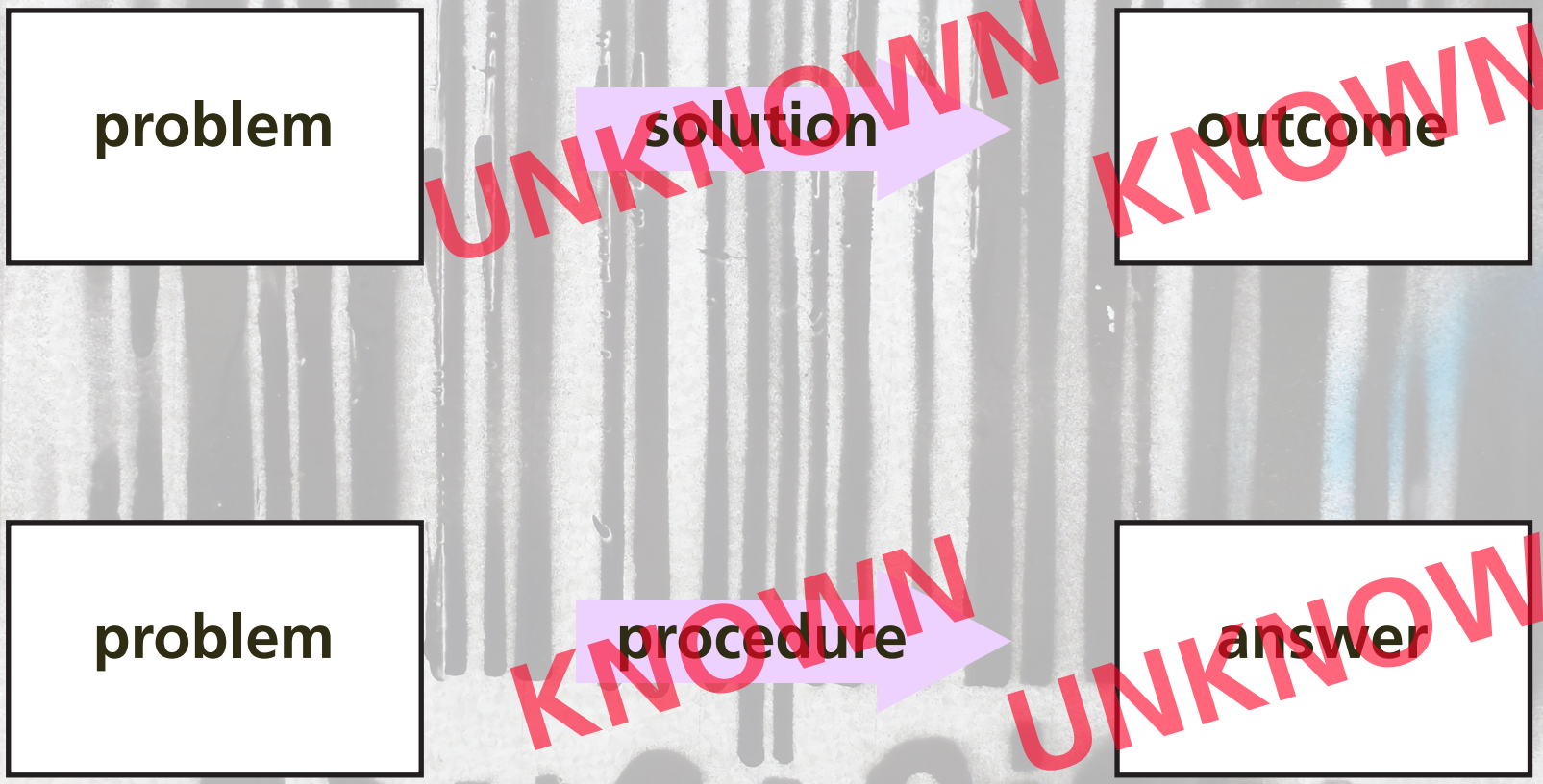
KNOWN

problem

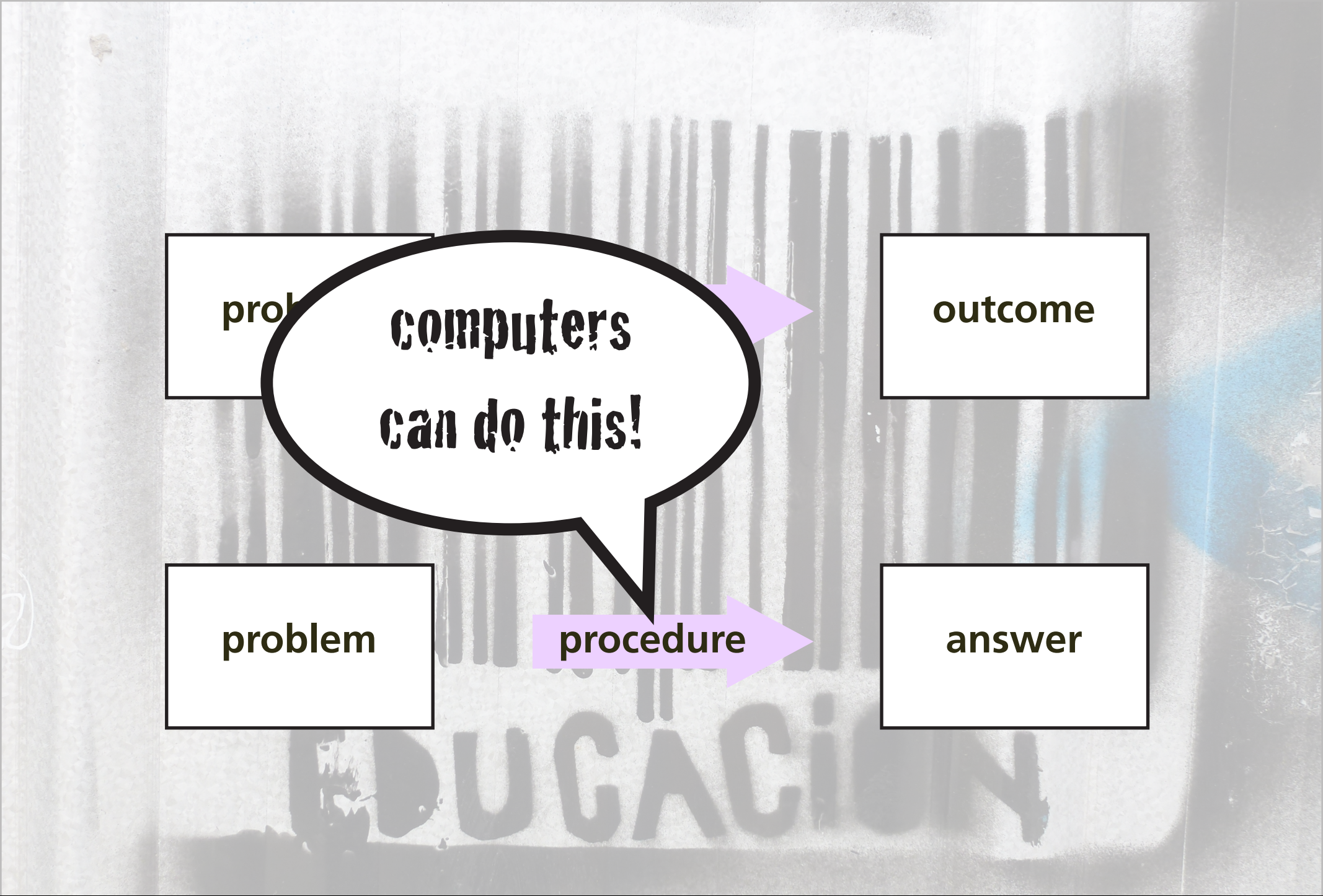
1 what


problem
solution
outcome
UNKNOWN
KNOWN
problem
procedure
KNOWN

1 what

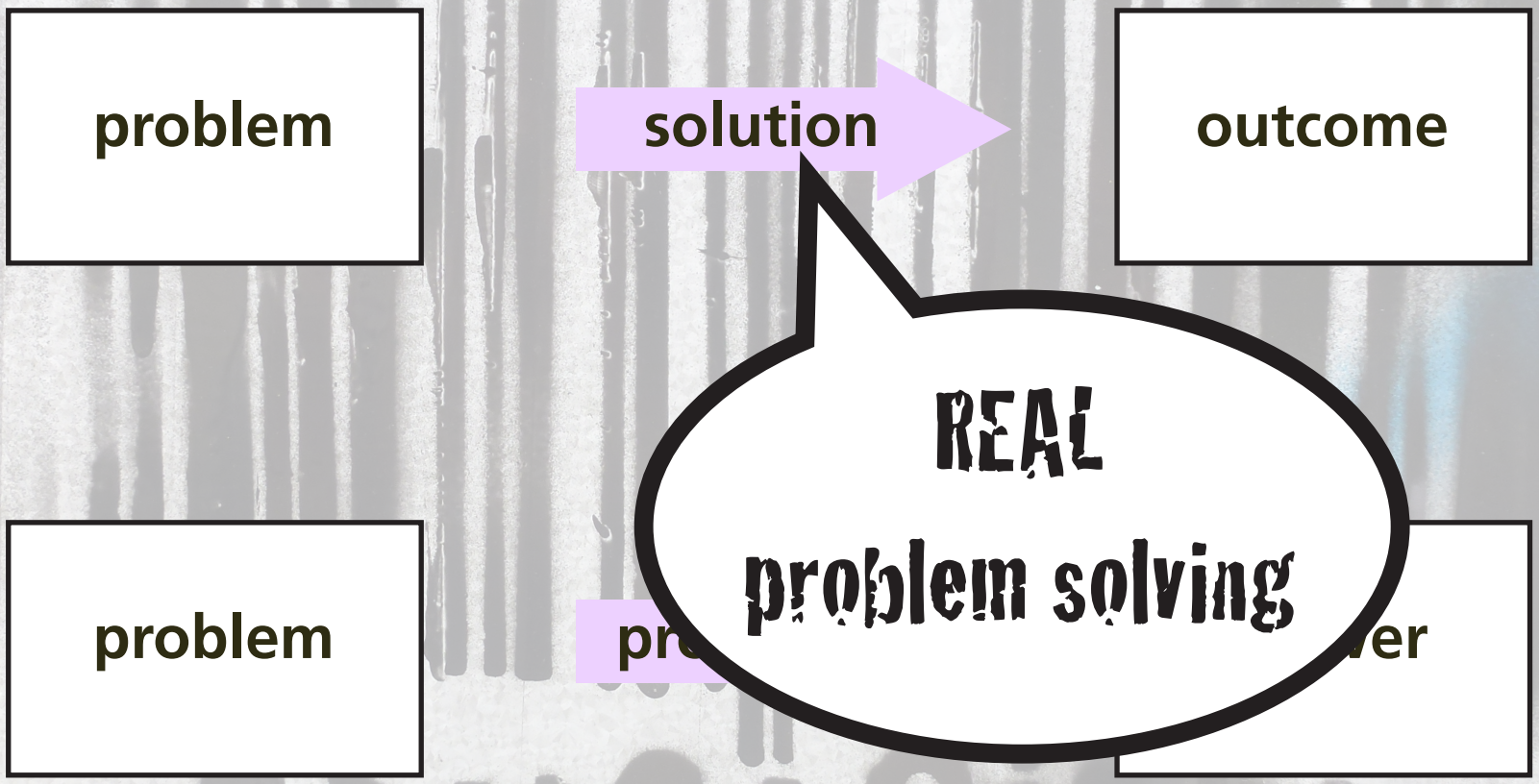

problem
solution
outcome
UNKNOWN
KNOWN
problem
procedure
answer
KNOWN
UNKNOWN

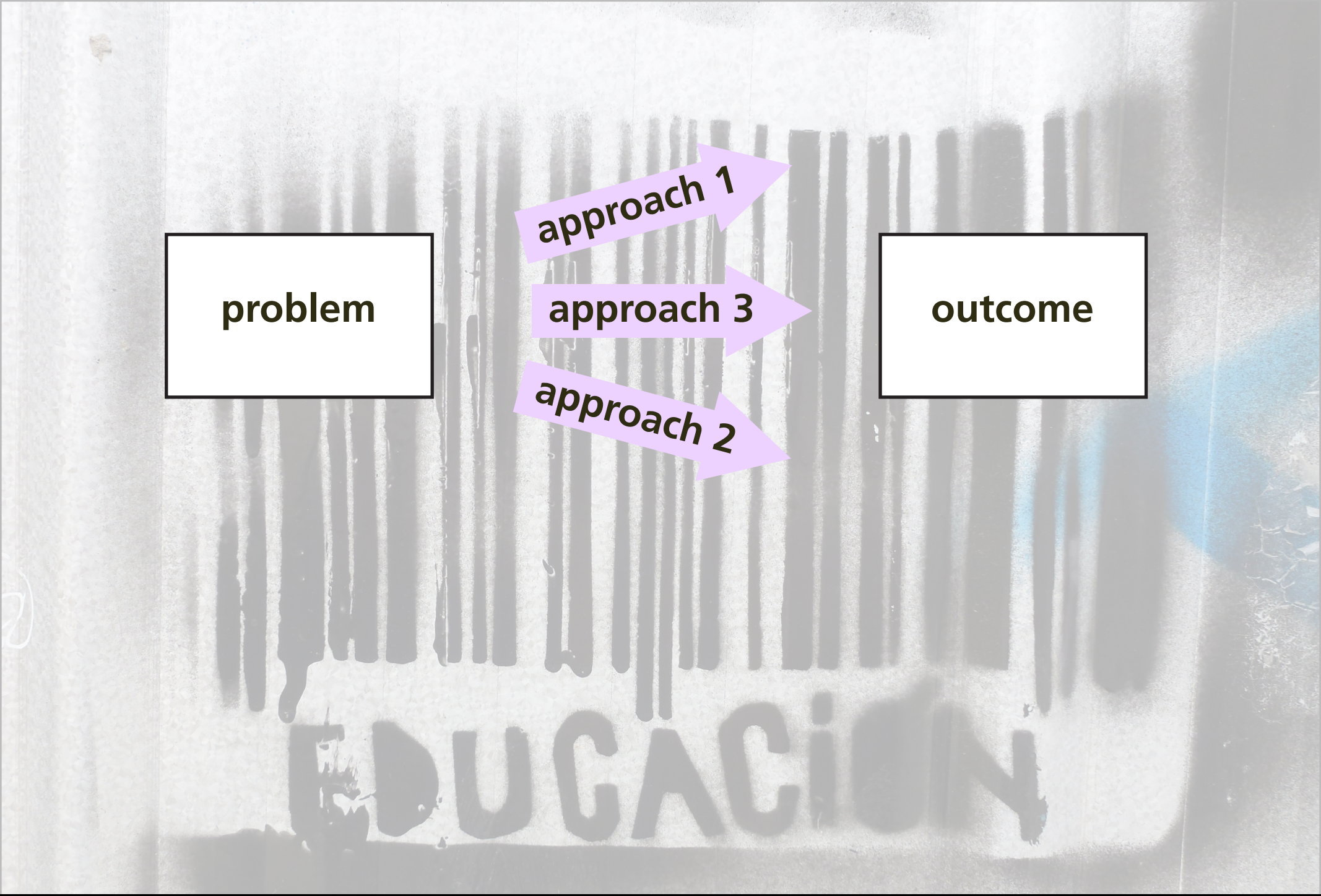
1 what

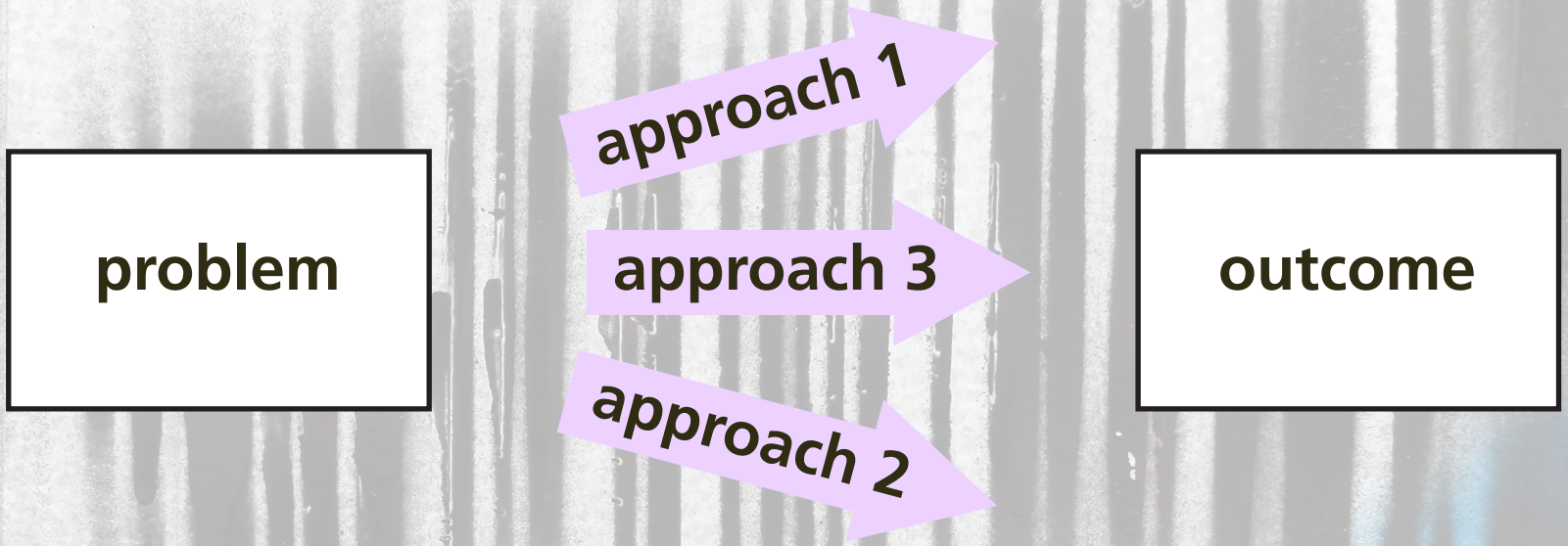

prob
computers
can do this!
outcome
problem
procedure
answer

1 what

1 what


problem
solution
outcome
REAL
problem solving
problem

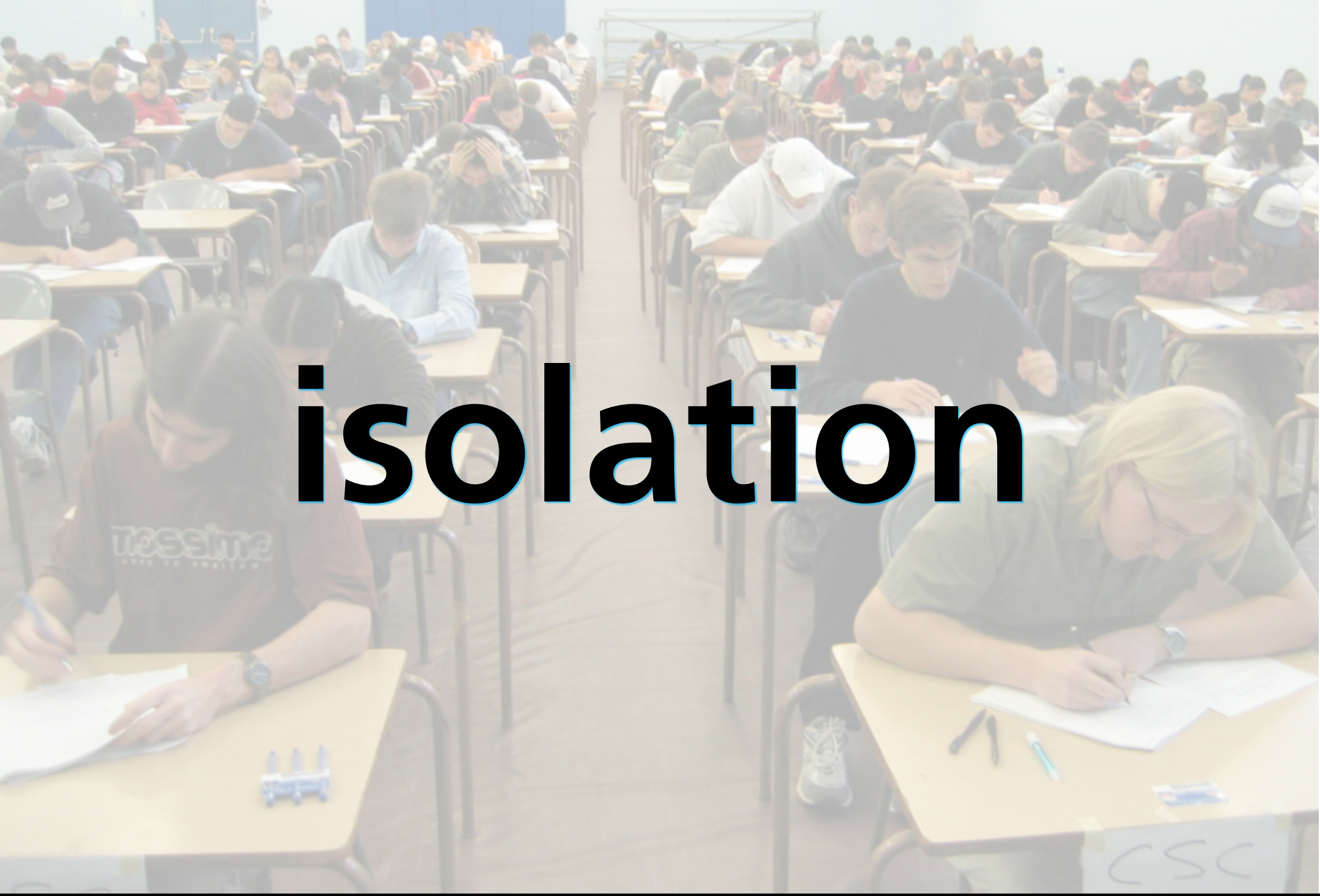

problem
approach 1
approach 3
approach 2
outcome



grading incompatible with real problem solving

1 what

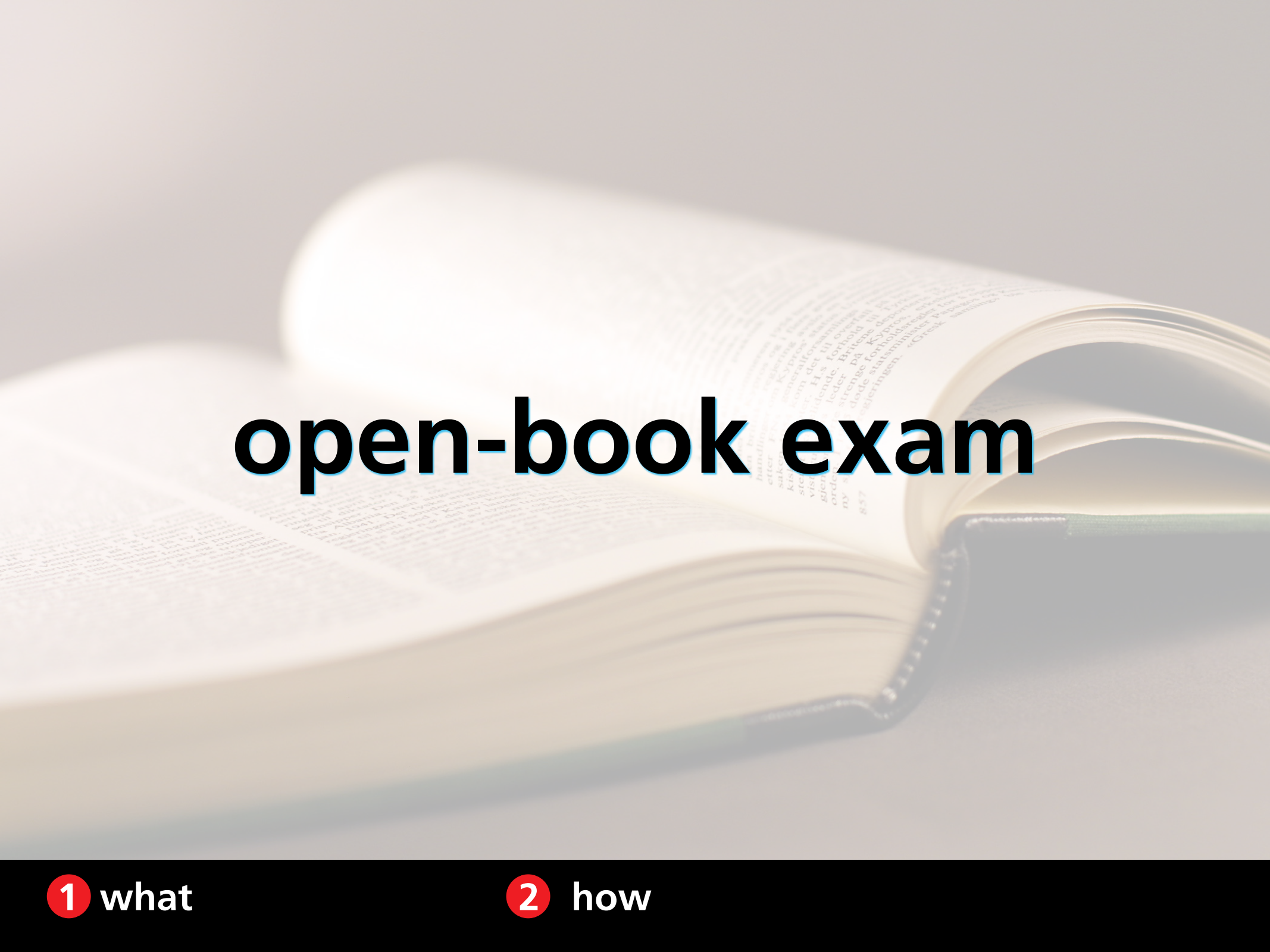
2 how

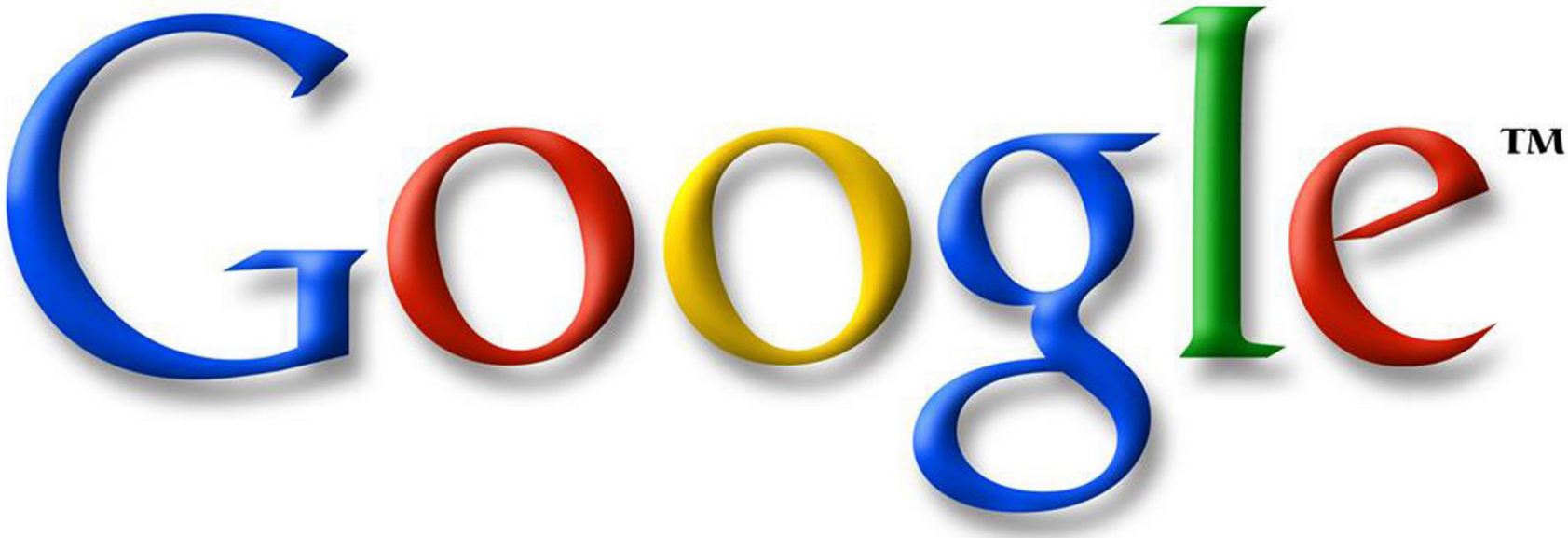


isolation

1 what

2 how


open-book exam
1 what
2 how

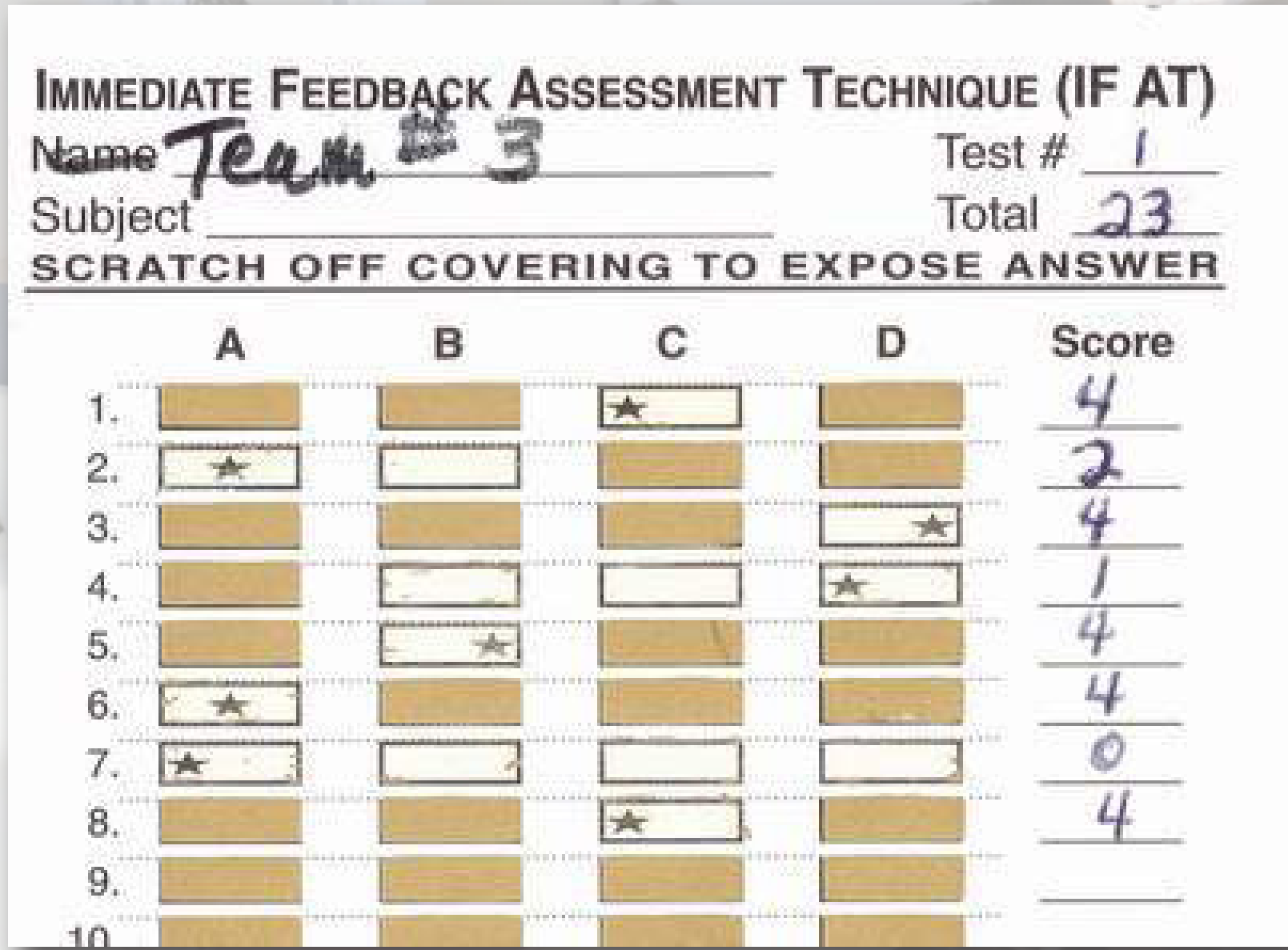


1 what

2 how

1 what

2 how



IMMEDIATE FEEDBACK ASSESSMENT TECHNIQUE (IF AT)

Name Team # 3 Test # 1

Subject _____ Total 23

SCRATCH OFF COVERING TO EXPOSE ANSWER

	A	B	C	D	Score
1.			★		4
2.	★				2
3.				★	4
4.				★	1
5.		★			4
6.	★				4
7.	★				0
8.			★		4
9.					
10.					

1 what

2 how

1 what

2 how

(4) We will use spherical coordinates: $0 \le \rho \le 4$, $0 \le \theta \le 2\pi$, $0 \le \varphi \le \pi$. The integral is thus:

$$\int_{\rho=0}^{4}\int_{\theta=0}^{2\pi}\int_{\varphi=0}^{\pi}(\rho\cos\varphi)(\rho\sin\varphi)\,\rho^2\,d\varphi\,d\theta\,d\rho$$

$$= \left\{\int_{\rho=0}^{4}\rho^3\,d\rho\right\}\left\{\int_{\theta=0}^{2\pi}d\theta\right\}\left\{\frac{1}{2}\int_{\varphi=0}^{\pi}\sin(2\varphi)\,d\varphi\right\} = \boxed{0}$$

Since the third integral equals 0.

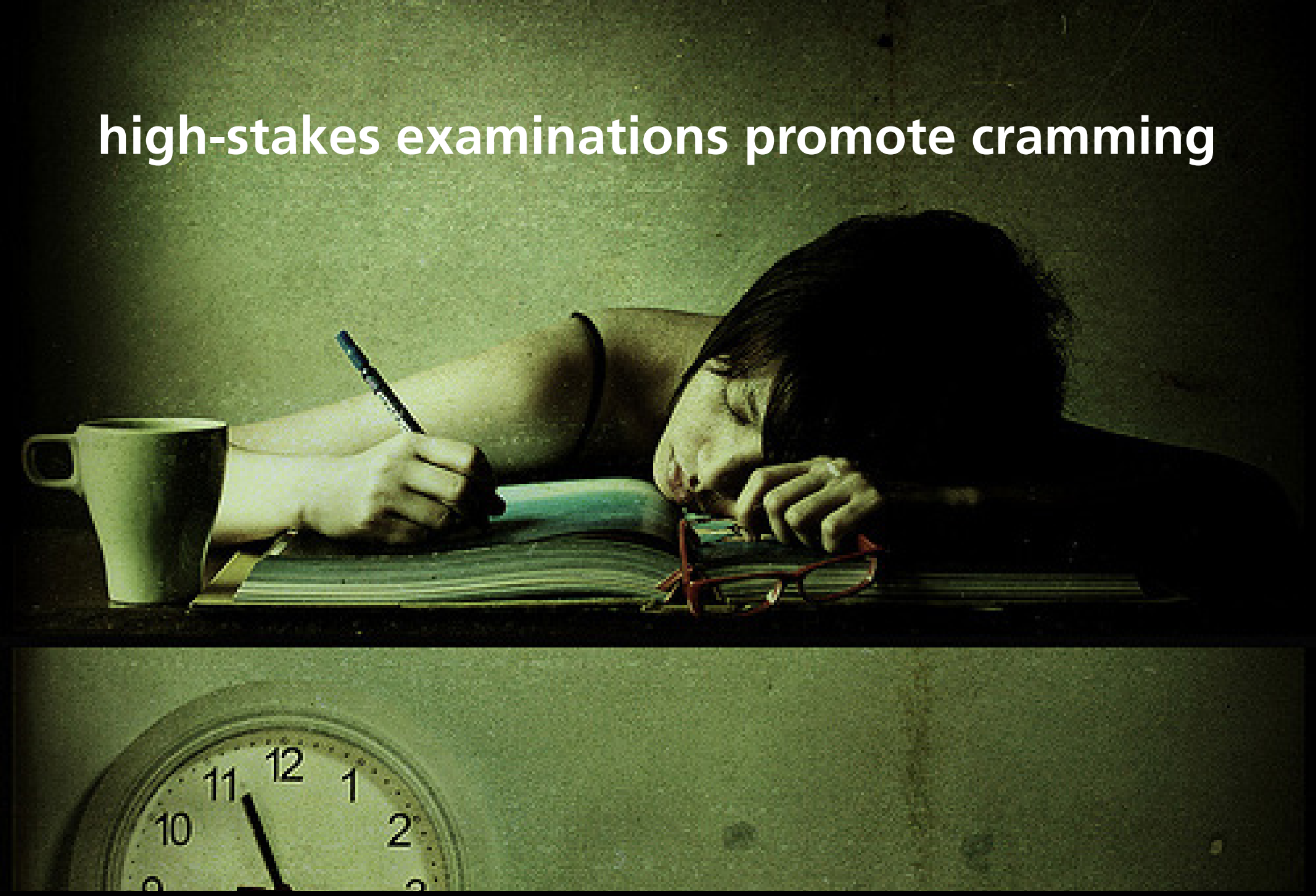
o o o

(5) Direction vectors for the plane are

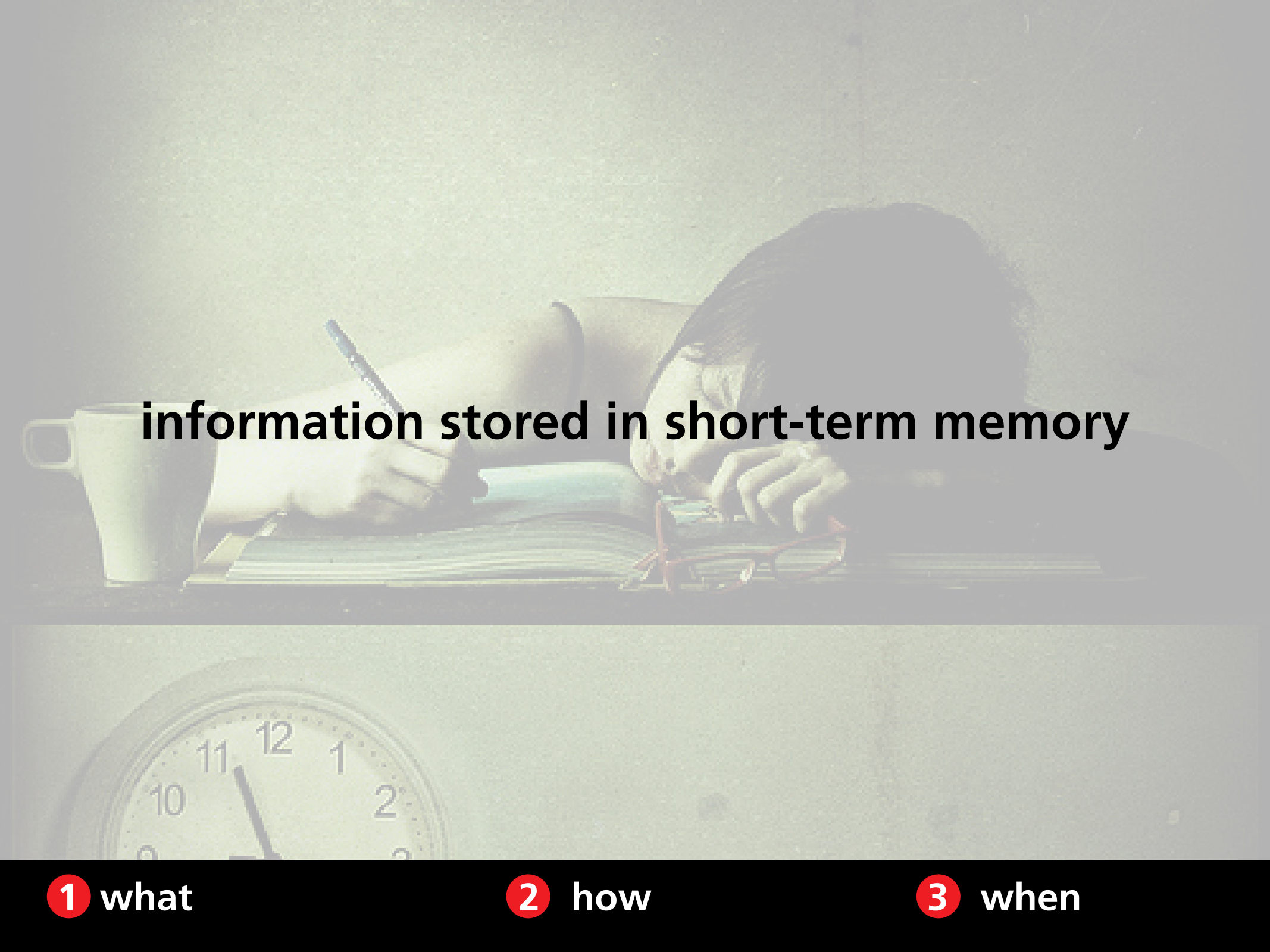
$$\begin{pmatrix}1\\1\\0\end{pmatrix} \quad \begin{pmatrix}1\\0\\-1\end{pmatrix}$$

Final Exam

high-stakes examinations promote cramming



1. what
2. how
3. when

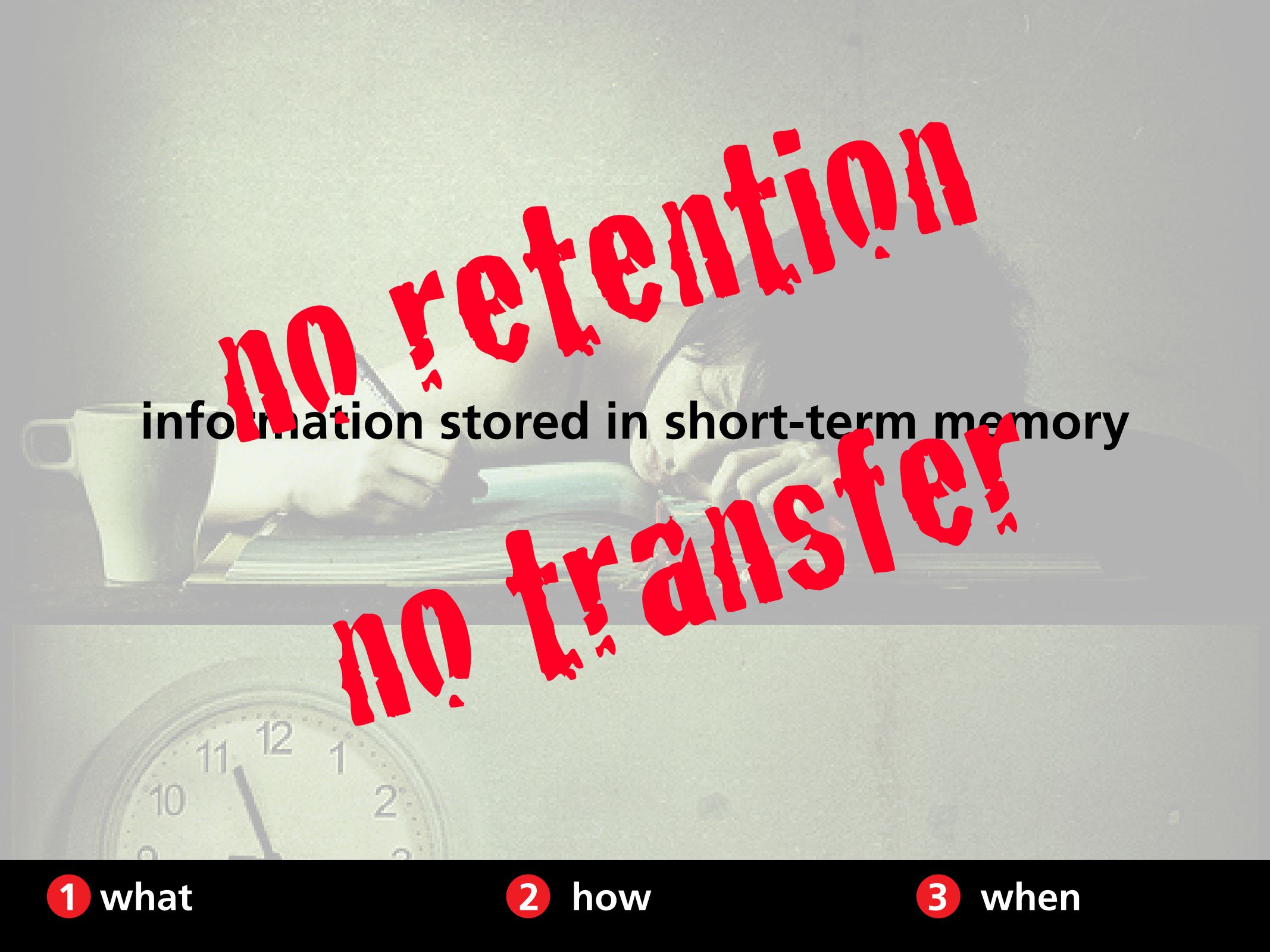


information stored in short-term memory

1 what

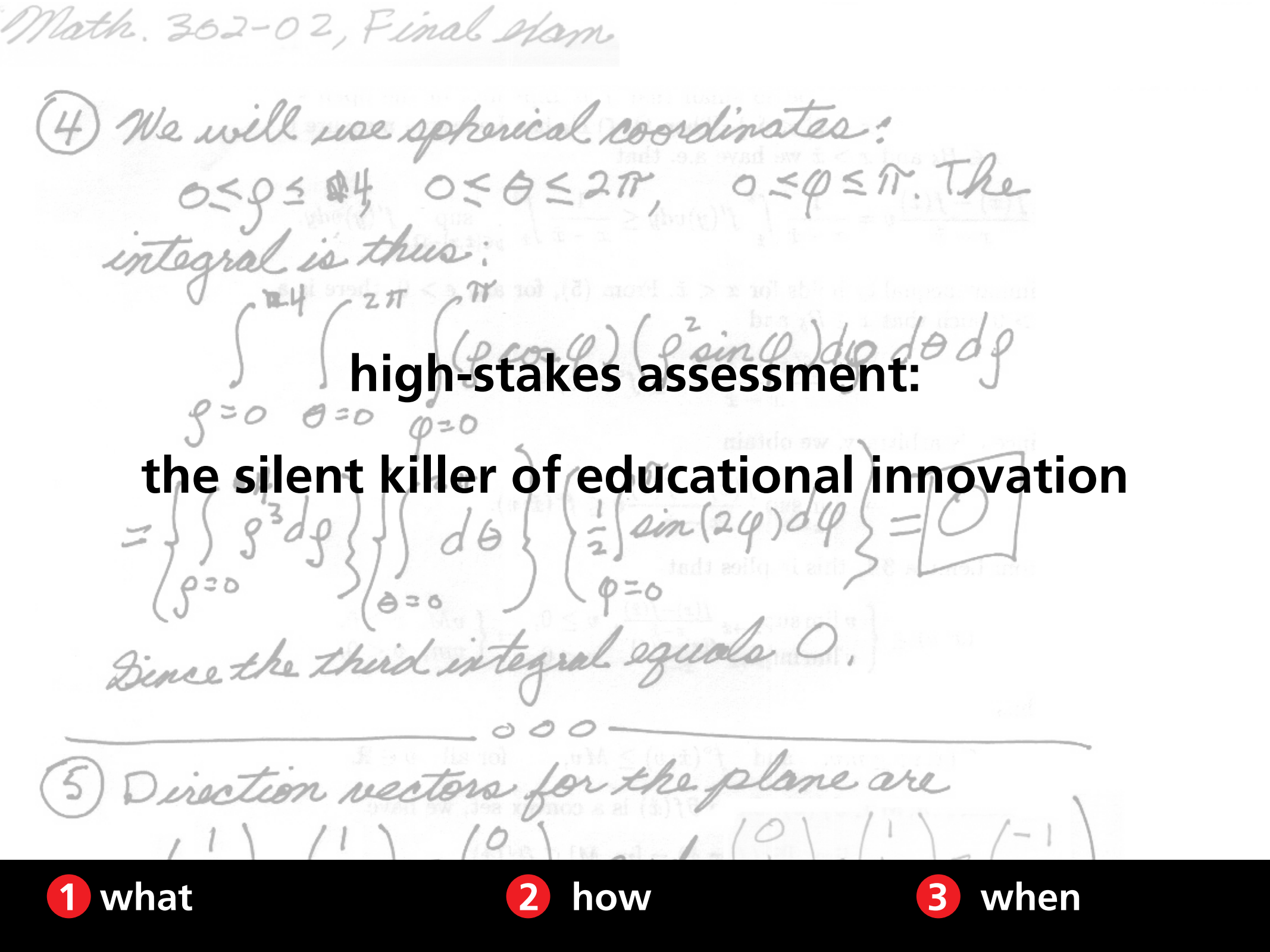
2 how

3 when



information stored in short-term memory

1 what 2 how 3 when



high-stakes assessment:

the silent killer of educational innovation

1 what 2 how 3 when

chemical reaction does one of two things to involved substa

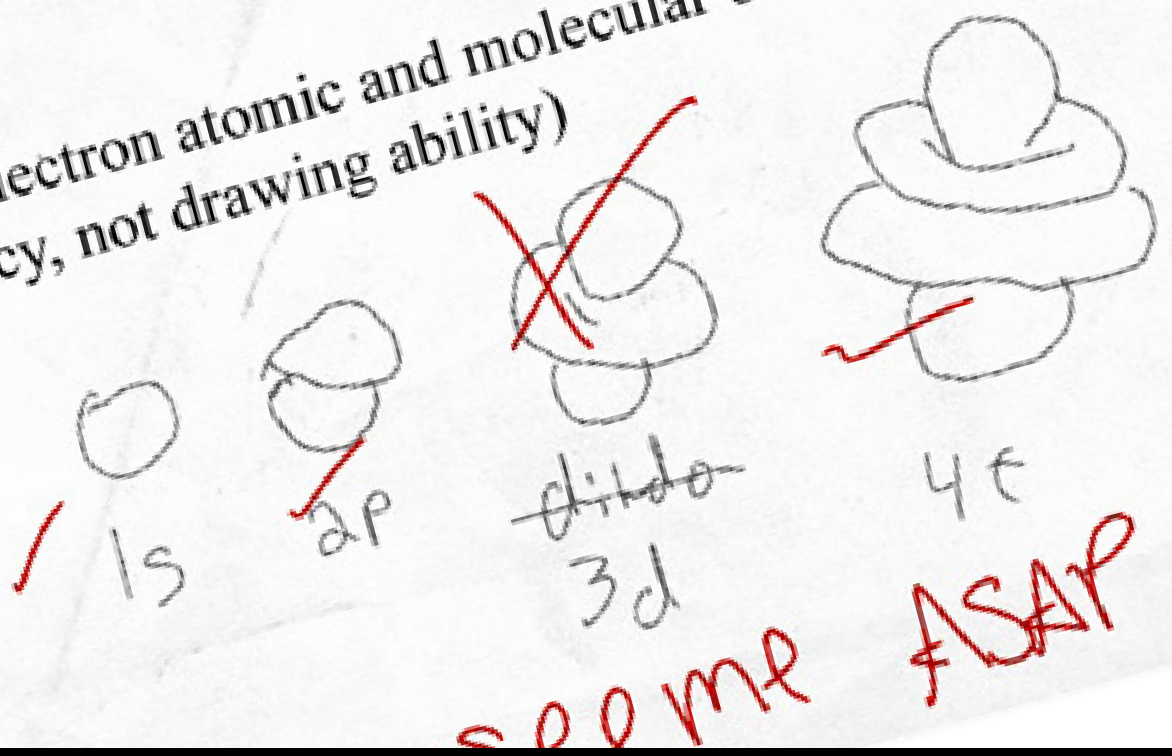
Increases or decreases the energy of the substances involved ... sometimes through the form of heat or light

nick in front of
s wearing a white
Victorias Secret Thing

inappropriate

A CREDIT

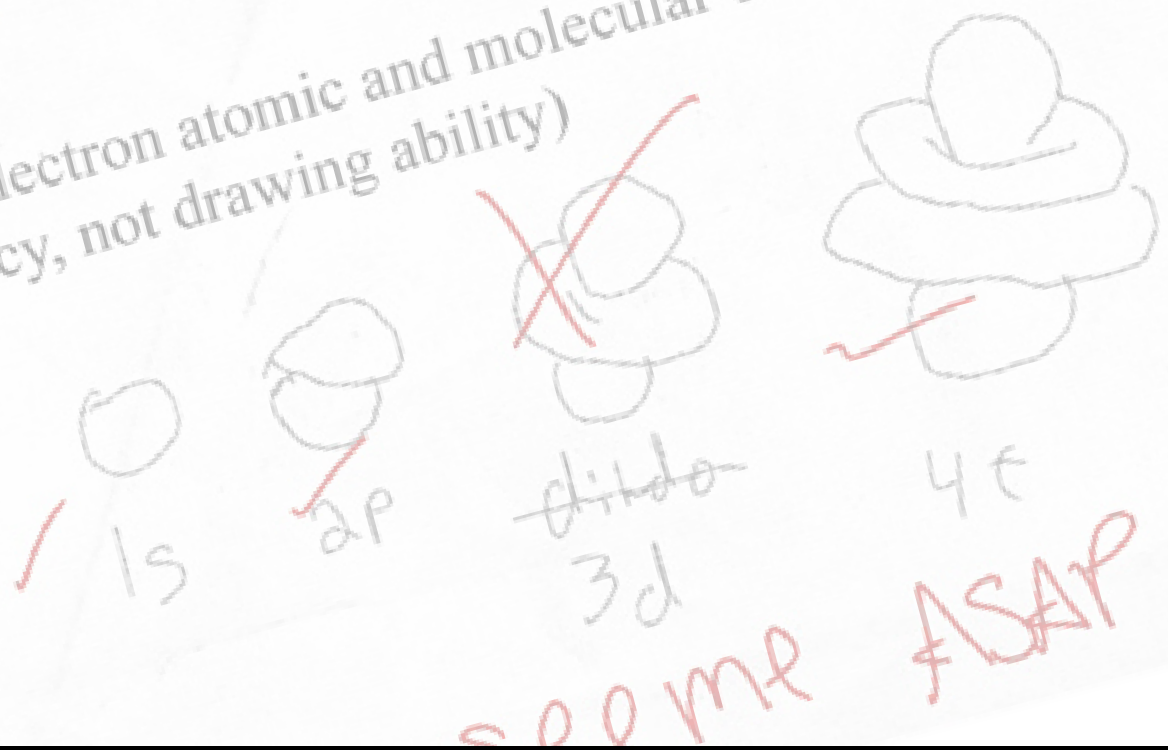
w a representation of electron atomic and molecular orbitals 1s, 2p, 3d and 4f.
ore not based on acuracy, not drawing ability)



seeme ASAP

1 what 2 how 3 when

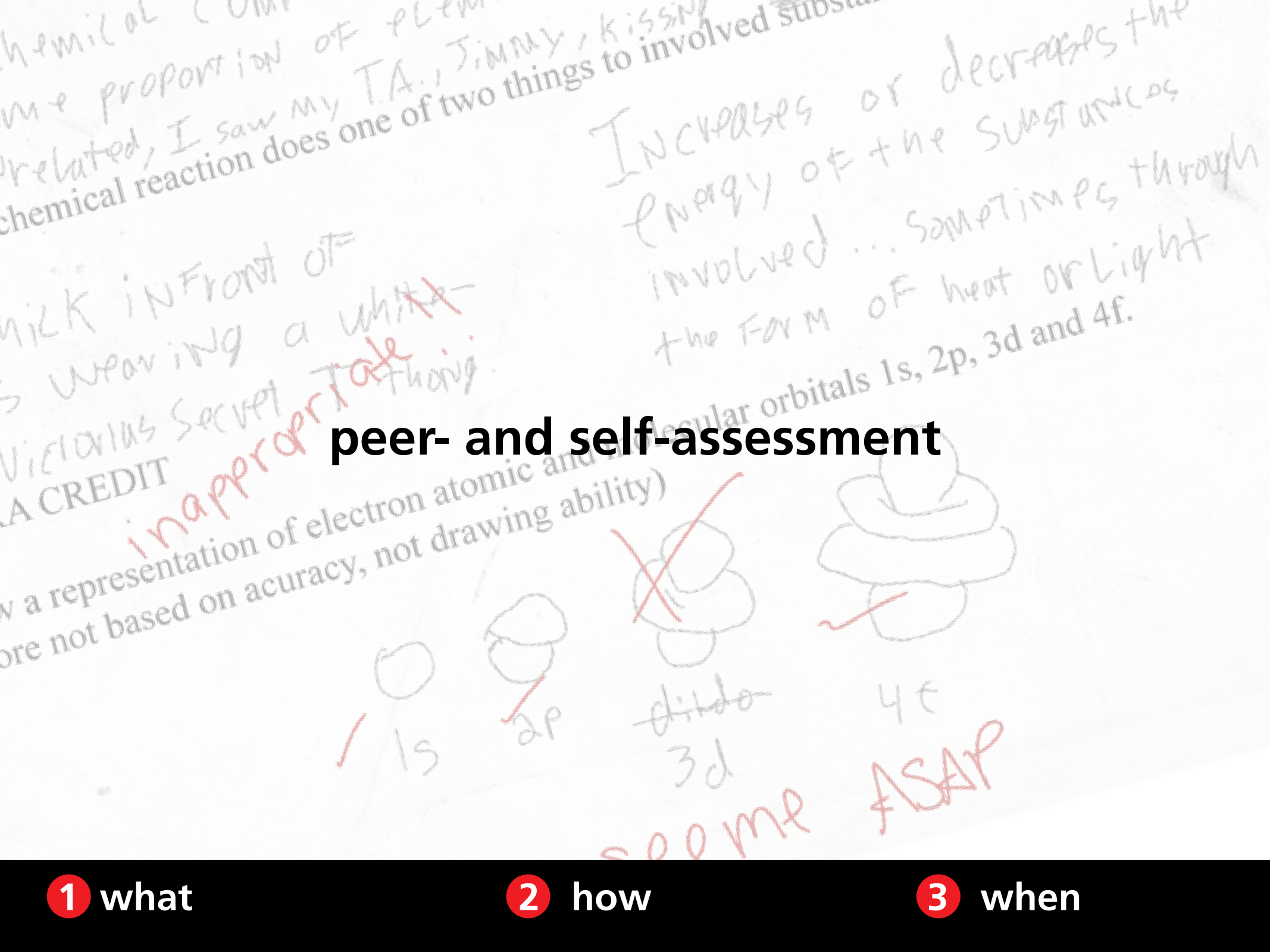
grades: measure of standing relative to others



grades: measure of standing relative to others

feedback: reflection on what has been learnt

1 what 2 how 3 when

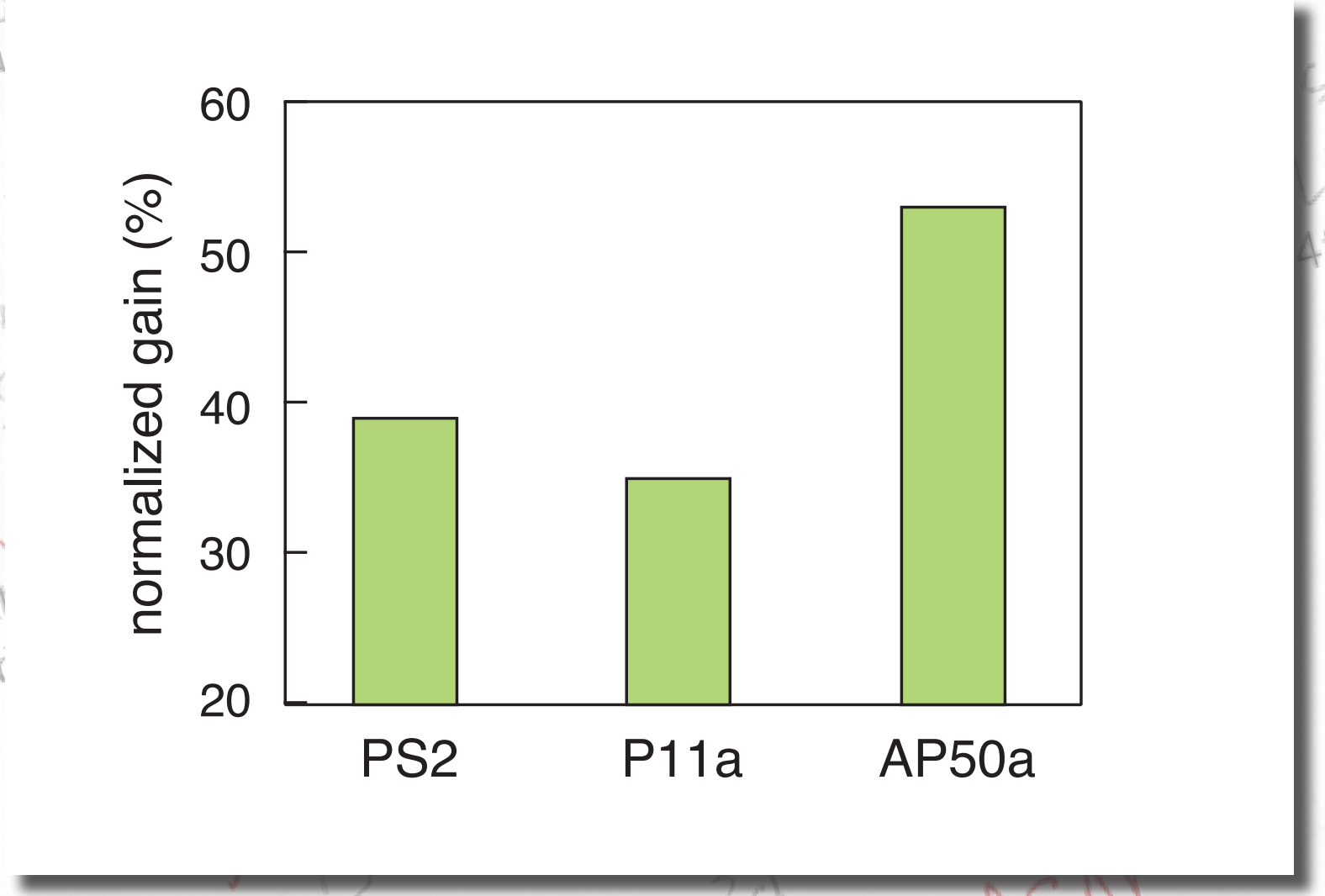


peer- and self-assessment

1 what

2 how

3 when



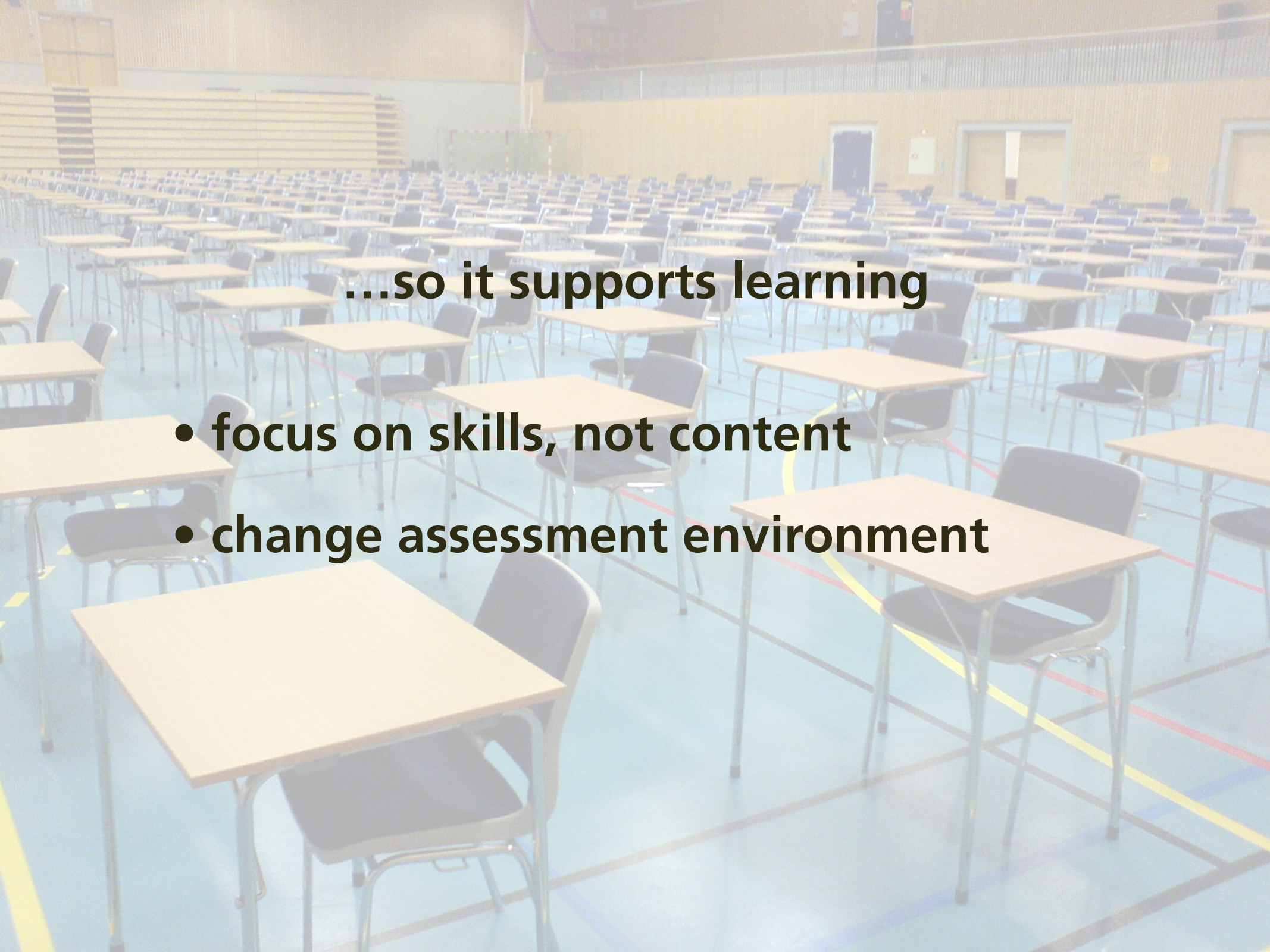
1 what 2 how 3 when

rethink
assessment

...so it supports learning

…so it supports learning

- focus on skills, not content



…so it supports learning

- focus on skills, not content
- change assessment environment

…so it supports learning

- focus on skills, not content
- change assessment environment
- encourage ownership of learning

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