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APPROVED BY
Frontiers Editorial Office,
Frontiers Media SA, Switzerland

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RECEIVED 16 June 2023
ACCEPTED 19 June 2023
PUBLISHED 27 June 2023

CITATION
Tóthová M and Rusek M (2023) Corrigendum:
“Do you just have to know that?” Novice and
experts’ procedure when solving science
problem tasks. *Front. Educ.* 8:1241619.
doi: 10.3389/feduc.2023.1241619

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Corrigendum: “Do you just have to know that?” Novice and experts’ procedure when solving science problem tasks

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KEYWORDS

problem-solving skills, chemistry education, science education, eye-tracking, pre-service teachers

A corrigendum on
“Do you just have to know that?” Novice and experts’ procedure when
solving science problem tasks

by Tóthová, M., and Rusek, M. (2022). *Front. Educ.* 7:1051098. doi: 10.3389/feduc.2022.1051098

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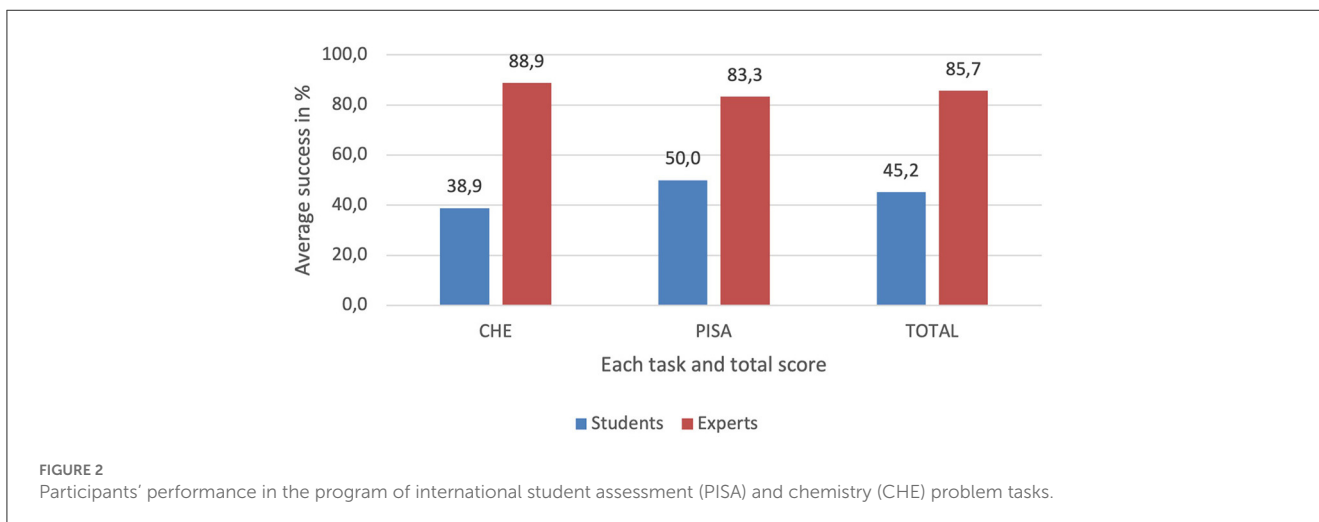
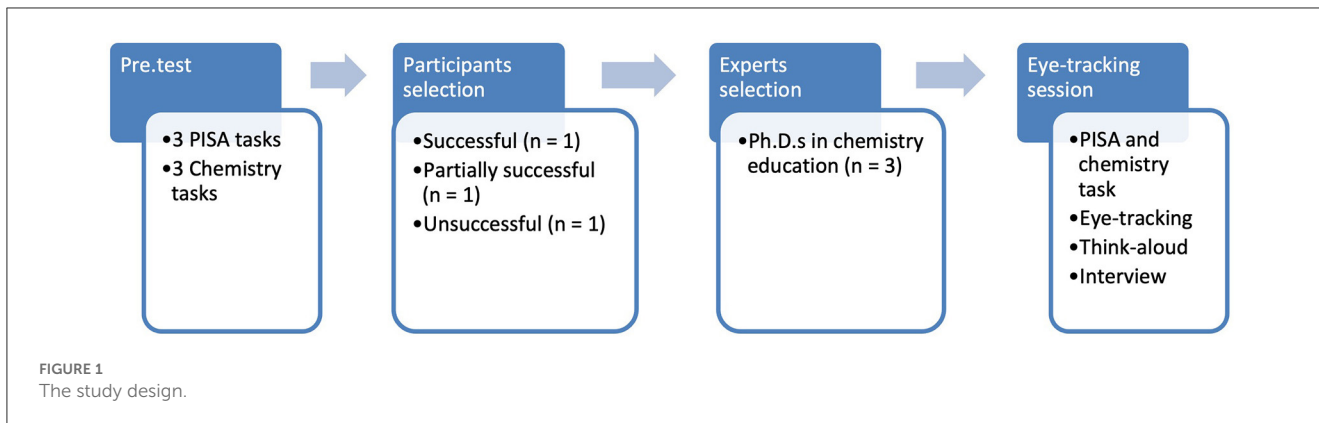
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The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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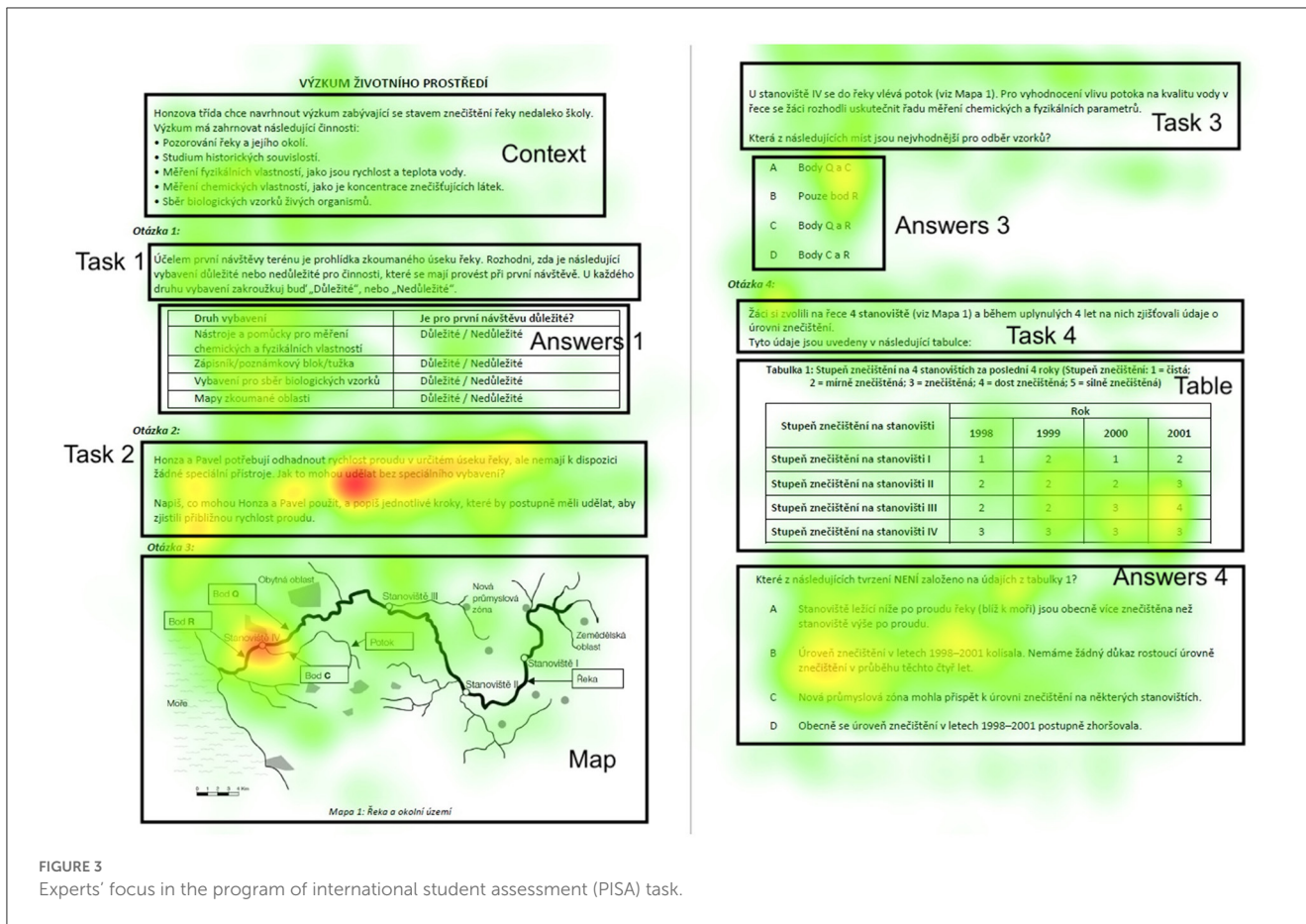


FIGURE 3 Experts' focus in the program of international student assessment (PISA) task.

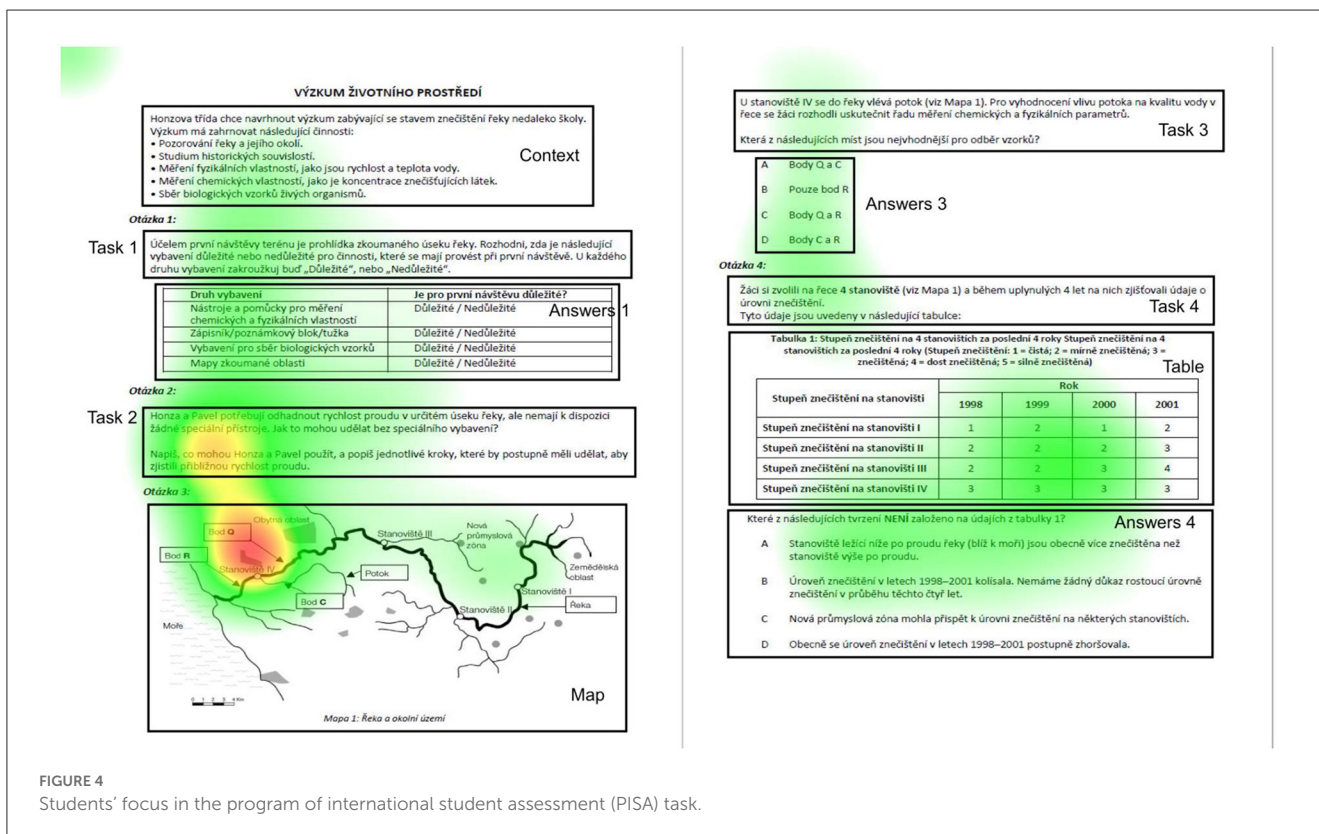


FIGURE 4 Students' focus in the program of international student assessment (PISA) task.

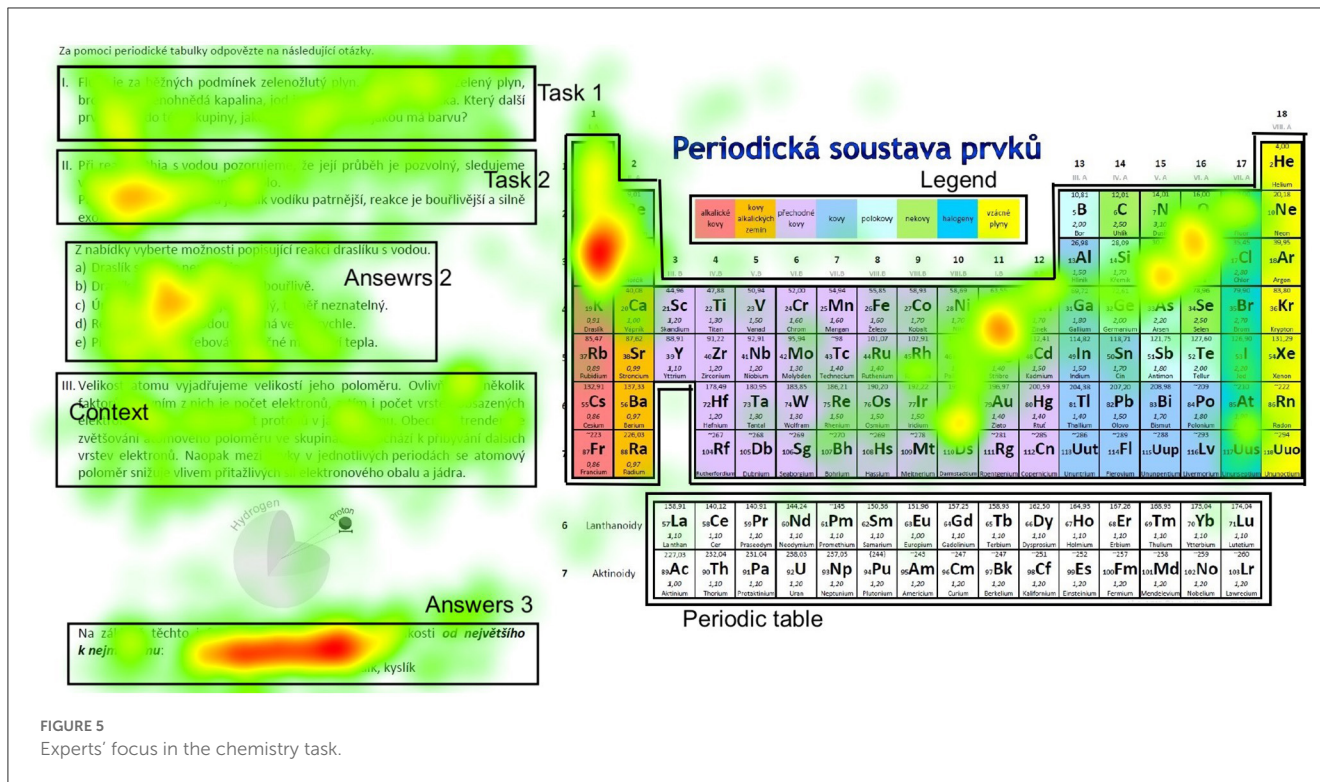


FIGURE 5 Experts' focus in the chemistry task.

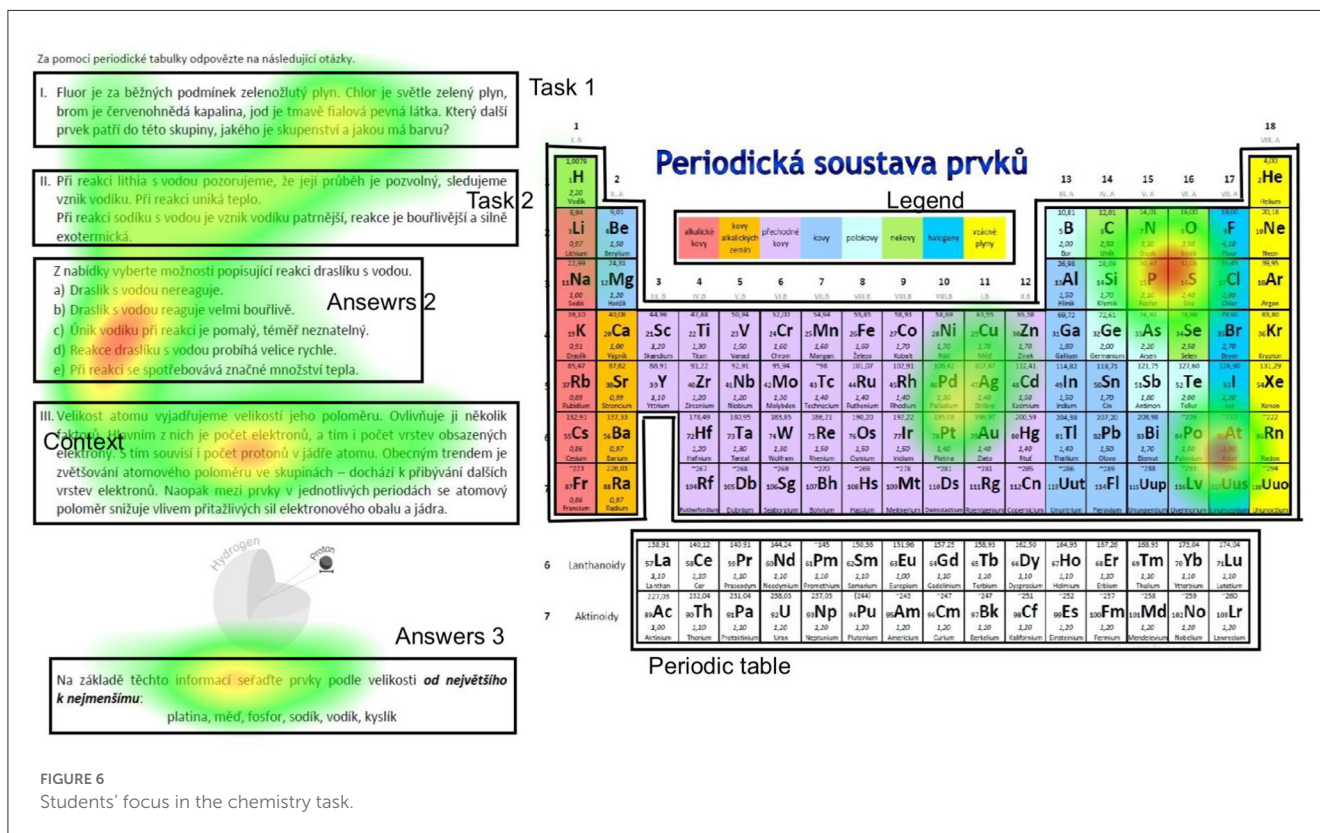


FIGURE 6 Students' focus in the chemistry task.

Task 2

II. Při reakci lithia s vodou pozorujeme, že její průběh je pozvolný, sledujeme vznik vodíku. Při reakci uniká teplo.
Při reakci sodíku s vodou je vznik vodíku patrnější, reakce je bouřlivější a silně exotermická.

Z nabídky vyberte možnosti popisující reakci draslíku s vodou.

- Draslík s vodou nereaguje.
- Draslík s vodou reaguje velmi bouřlivě.
- Únik vodíku při reakci je pomalý, téměř nezatelný.
- Reakce draslíku s vodou probíhá velice rychle.
- Při reakci se spotřebovává značné množství tepla.

Answer
choices 2

FIGURE 7

Students' attention to the answer choices.

Task 2

II. Při reakci lithia s vodou pozorujeme, že její průběh je pozvolný, sledujeme vznik vodíku. Při reakci uniká teplo.
Při reakci sodíku s vodou je vznik vodíku patrnější, reakce je bouřlivější a silně exotermická.

Z nabídky vyberte možnosti popisující reakci draslíku s vodou.

- Draslík s vodou nereaguje.
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- Reakce draslíku s vodou probíhá velice rychle.
- Při reakci se spotřebovává značné množství tepla.

Answer
choices 2

FIGURE 8

Expert's attention to the task itself and answer choices.