

SUPPLEMENTARY MATERIAL

INQUIRY-BASED LEARNING IN STEREOCHEMISTRY: STRENGTHENING 3D VISUALIZATION AND CONCEPTUAL UNDERSTANDING

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ACTIVITY PERCEPTION QUESTIONNAIRE

This questionnaire contains 10 statements regarding the activities carried out during the chemistry lesson using molecular models. You are asked to give your opinion on each statement by indicating the degree of agreement for each, showing how accurate you think it is using the following scale as a guide:

- ☐ Strongly disagree
- ☐ Disagree
- ☐ Neutral
- ☐ Agree
- ☐ Strongly agree

The questionnaire is anonymous and will be used solely for scientific purposes (research). However, please answer carefully and provide your opinion on all statements. Completing the questionnaire will take approximately 5 minutes. Thank you for your cooperation.

Gender:

- ☐ male

- female

School:

- SUGS “Nikola Karev”
- SUGS “Rade Jovchevski-Korchagin”

Statements (mandatory response *)

1. This activity was interesting.
2. The activity can help me understand the concepts.
3. This activity motivates me to learn chemistry.
4. The activity encourages my participation in class.
5. I prefer this type of learning activity to traditional didactic lectures.
6. There should be more similar learning activities in the high school chemistry curriculum.
7. This type of lesson can help me understand the concepts studied.
8. Molecular models can help us visualize the three-dimensional nature of organic molecules.
9. The models are easy to use.
10. I think this is an important learning activity.

Open-ended questions (optional)

1. Which aspect of the activity did you find most useful?

2. How do you think this activity could be improved?
