

# XFEL: Crystal Blaster Game Assessment

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\* Required

## About You

Tell us a little about yourself..

1. What grade are you in this school year? \*

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2. What is your gender? \*

*Mark only one oval.*

- Male
- Female
- Nonbinary
- Don't want to answer
- Other: \_\_\_\_\_

3. What school do you go to? \*

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4. How do you feel about learning science at school? \*

*Mark only one oval.*

- I like learning science in my science class most of the time.
- I like learning science in my science class some of the time.
- I don't usually like learning science at school
- I don't like science at school.

5. How do you feel about learning about science outside of school? For example, watching the Discovery channel or doing experiments on your own. \*

*Mark only one oval.*

- I like learning science outside of school time.
- I don't take time to learn about science outside of school time.
- I'm not interested in learning science, even outside of school time.

Educational Value

How much did you learn by playing this game...

6. Did you read the text in the game? \*

*Mark only one oval.*

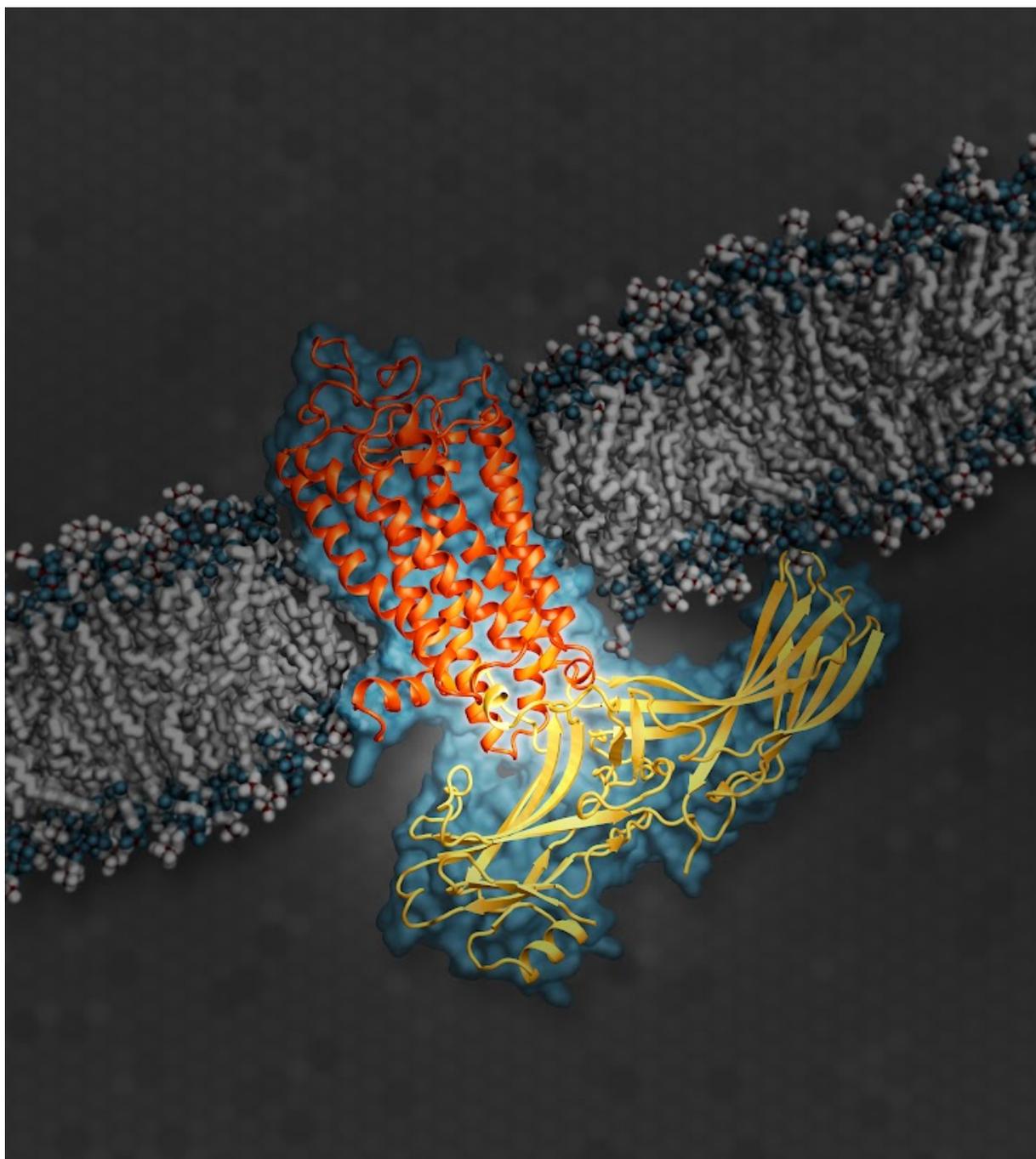
- Yes, I read all of it.
- I read some, but not all of it.
- No, I did not read any of the text.

7. Before playing this game, how much did you know about the field of X-ray crystallography? \*

*Mark only one oval.*

- I knew a lot about the field of crystallography.
- I had heard of the field of crystallography.
- I had never heard of the crystallography.

8. Before playing this game, did you know about proteins or have you seen a protein structure like this one? \*



Mark only one oval.

Yes

No

9. Was the content of the game appropriate for your level of understanding? \*

*Mark only one oval.*

- No, it was too simple
- Yes, it was appropriate
- No, it was too difficult for me to understand

10. How would you rate this game at teaching about XFELs and X-ray crystallography? \*

*Mark only one oval.*

- It was very effective as an introduction to the field.
- It was somewhat effective as an introduction to the field.
- It was not an effective introduction to the field.

11. Did this game increase your interest in learning more about the field of X-ray crystallography? \*

*Mark only one oval.*

- Yes
- No
- Maybe

12. Do you have any comments or suggestions on the material presented through the game?

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## Game play

How did you like the game?

13. How difficult was this game for you? \*

Mark only one oval.

|          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |               |
|----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------|
|          | 1                     | 2                     | 3                     | 4                     | 5                     | 6                     | 7                     | 8                     | 9                     | 10                    |               |
| Too easy | <input type="radio"/> | Too difficult |

14. Do you have any suggestions on how to improve the game?

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15. Do you plan to share this game with others?

Mark only one oval.

- Yes
- No
- Other: \_\_\_\_\_

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