

Feedback Form

(Copy)

Thank you for participating in our assembly experiment! Your feedback is crucial for understanding your experience and improving our processes. Please take a few minutes to fill out this survey.

* Required

Section 1 : Demographics (Optional)

1

Age

2

Gender

- ☐ Woman
- ☐ Man
- ☐ Non-binary
- ☐ Prefer not to say

3

Occupation/Field of Study

Section 2

Section 2: Individual Assemblies - Assembly One



Please fill out this section after completing the first assembly

4

Type of Assembly One *

- ☐ Paper-based
- ☐ Projector-based

5

Mental Demand - How mentally demanding was the task? *

1

2

3

4

5

Very Low

Very High

6

Temporal Demand - How hurried or rushed was the pace of the task? *

1

2

3

4

5

Very Low

Very High

7

Performance - How successful were you in accomplishing what you were asked to do? *

1

2

3

4

5

Very Low

Very High

8

Effort - How hard did you have to try to accomplish your level of performance? *

1

2

3

4

5

Very Low

Very High

9

Frustration - How discouraged, irritated, stressed, and annoyed were you? *

1

2

3

4

5

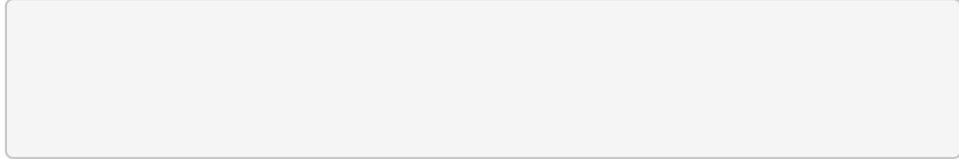
Very Low

Very High

10

Anything specific you felt challenging or helpful to accomplish this assembly?

Do you have any other comments or suggestions for improving the assembly one process or instructions?



Section 3: Individual Assemblies - Assembly Two

Please fill out this section after completing the second assembly

12

Type of Assembly One *

- ☐ Paper-based
- ☐ Projector-based

13

Mental Demand - How mentally demanding was the task? *

1

2

3

4

5

Very Low

Very High

14

Temporal Demand - How hurried or rushed was the pace of the task? *

1

2

3

4

5

Very Low

Very High

15

Performance - How successful were you in accomplishing what you were asked to do? *

1

2

3

4

5

Very Low

Very High

16

Effort - How hard did you have to try to accomplish your level of performance? *

1

2

3

4

5

Very Low

Very High

17

Frustration - How discouraged, irritated, stressed, and annoyed were you? *

1

2

3

4

5

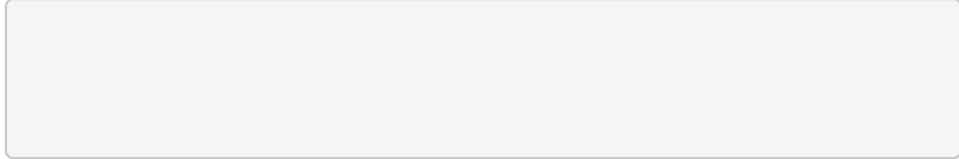
Very Low

Very High

18

Anything specific you felt challenging or helpful to accomplish this assembly?

Do you have any other comments or suggestions for improving the assembly two process or instructions?



Section 4 : Individual Assemblies - Assembly Three

Please fill out this section after completing the third assembly

20

Type of Assembly One *

- ☐ Paper-based
- ☐ Projector-based

21

Mental Demand - How mentally demanding was the task? *

1

2

3

4

5

Very Low

Very High

22

Temporal Demand - How hurried or rushed was the pace of the task? *

1

2

3

4

5

Very Low

Very High

23

Performance - How successful were you in accomplishing what you were asked to do? *

1

2

3

4

5

Very Low

Very High

24

Effort - How hard did you have to try to accomplish your level of performance? *

1

2

3

4

5

Very Low

Very High

25

Frustration - How discouraged, irritated, stressed, and annoyed were you? *

1

2

3

4

5

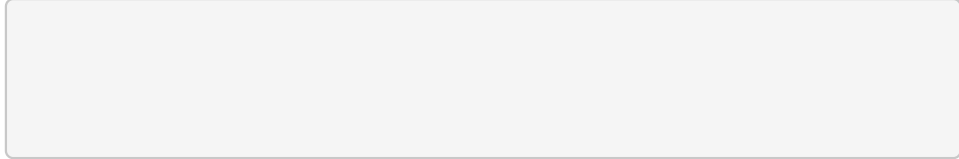
Very Low

Very High

26

Anything specific you felt challenging or helpful to accomplish this assembly?

Do you have any other comments or suggestions for improving the assembly three process or instructions?

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Section 5 : Individual Assemblies - Assembly Four

Please fill out this section after completing the fourth assembly

28

Type of Assembly One *

- ☐ Paper-based
- ☐ Projector-based

29

Mental Demand - How mentally demanding was the task? *

1

2

3

4

5

Very Low

Very High

30

Temporal Demand - How hurried or rushed was the pace of the task? *

1

2

3

4

5

Very Low

Very High

31

Performance - How successful were you in accomplishing what you were asked to do? *

1

2

3

4

5

Very Low

Very High

32

Effort - How hard did you have to try to accomplish your level of performance? *

1

2

3

4

5

Very Low

Very High

33

Frustration - How discouraged, irritated, stressed, and annoyed were you? *

1

2

3

4

5

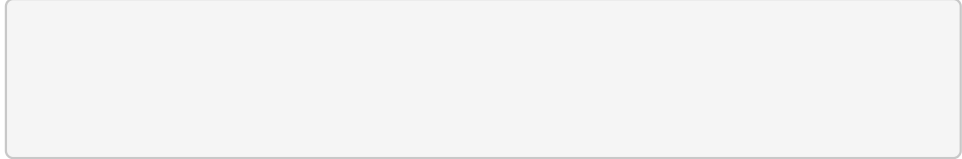
Very Low

Very High

34

Anything specific you felt challenging or helpful to accomplish this assembly?

Do you have any other comments or suggestions for improving the assembly four process or instructions?



Section 6 : Individual Assemblies - Assembly Five

Please fill out this section after completing the fifth assembly

36

Type of Assembly One *

- ☐ Paper-based
- ☐ Projector-based

37

Mental Demand - How mentally demanding was the task? *

1

2

3

4

5

Very Low

Very High

38

Temporal Demand - How hurried or rushed was the pace of the task? *

1

2

3

4

5

Very Low

Very High

39

Performance - How successful were you in accomplishing what you were asked to do? *

1

2

3

4

5

Very Low

Very High

40

Effort - How hard did you have to try to accomplish your level of performance? *

1

2

3

4

5

Very Low

Very High

41

Frustration - How discouraged, irritated, stressed, and annoyed were you? *

1

2

3

4

5

Very Low

Very High

42

Anything specific you felt challenging or helpful to accomplish this assembly?

Do you have any other comments or suggestions for improving the assembly five process or instructions?

Section 7 : Individual Assemblies - Assembly Six

Please fill out this section after completing the sixth assembly

44

Type of Assembly One *

- ☐ Paper-based
- ☐ Projector-based

45

Mental Demand - How mentally demanding was the task? *

1

2

3

4

5

Very Low

Very High

46

Temporal Demand - How hurried or rushed was the pace of the task? *

1

2

3

4

5

Very Low

Very High

47

Performance - How successful were you in accomplishing what you were asked to do? *

1

2

3

4

5

Very Low

Very High

48

Effort - How hard did you have to try to accomplish your level of performance? *

1

2

3

4

5

Very Low

Very High

49

Frustration - How discouraged, irritated, stressed, and annoyed were you? *

1

2

3

4

5

Very Low

Very High

50

Anything specific you felt challenging or helpful to accomplish this assembly?

Do you have any other comments or suggestions for improving the assembly six process or instructions?

Section 8 : Individual Assemblies - Assembly Seven

Please fill out this section after completing the seventh assembly

52

Type of Assembly One *

- ☐ Paper-based
- ☐ Projector-based

53

Mental Demand - How mentally demanding was the task? *

1

2

3

4

5

Very Low

Very High

54

Temporal Demand - How hurried or rushed was the pace of the task? *

1

2

3

4

5

Very Low

Very High

55

Performance - How successful were you in accomplishing what you were asked to do? *

1

2

3

4

5

Very Low

Very High

56

Effort - How hard did you have to try to accomplish your level of performance? *

1

2

3

4

5

Very Low

Very High

57

Frustration - How discouraged, irritated, stressed, and annoyed were you? *

1

2

3

4

5

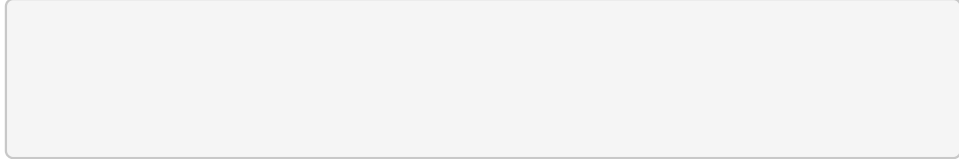
Very Low

Very High

58

Anything specific you felt challenging or helpful to accomplish this assembly?

Do you have any other comments or suggestions for improving the assembly seven process or instructions?



Section 9 : Individual Assemblies - Assembly Eight

Please fill out this section after completing the eighth assembly

60

Type of Assembly One *

- ☐ Paper-based
- ☐ Projector-based

61

Mental Demand - How mentally demanding was the task? *

1

2

3

4

5

Very Low

Very High

62

Temporal Demand - How hurried or rushed was the pace of the task? *

1

2

3

4

5

Very Low

Very High

63

Performance - How successful were you in accomplishing what you were asked to do? *

1

2

3

4

5

Very Low

Very High

64

Effort - How hard did you have to try to accomplish your level of performance? *

1

2

3

4

5

Very Low

Very High

65

Frustration - How discouraged, irritated, stressed, and annoyed were you? *

1

2

3

4

5

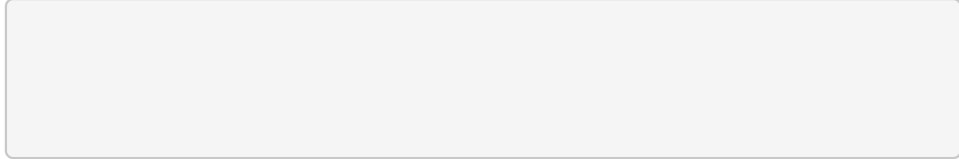
Very Low

Very High

66

Anything specific you felt challenging or helpful to accomplish this assembly?

Do you have any other comments or suggestions for improving the assembly eight process or instructions?



Section 10 : Comparison Between Assemblies

Fill out this section after completing all eight assemblies.

68

Please rate the following aspects for each assembly **with paper-based** instructions *

	Strongly Agree	Agree	Undecided
The instructions provided were easy to understand.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The steps in the instructions were clearly outlined.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The molecules were quick to assemble with paper-based method.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am satisfied with the overall experience of using paper-based method.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please rate the following aspects for each assembly **with projector-based** instructions *

	Strongly Agree	Agree	Undecided
The instructions provided were easy to understand.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The steps in the instructions were clearly outlined.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The molecules were quick to assemble with projector-based method.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am satisfied with the overall experience of using projector-based method. *	<input type="radio"/> did you find more effective for completing the		

- ☐ With Projector-based Instructions
- ☐ With Paper-based Instructions
- ☐ Both equally effective
- ☐ Other

How much did you rely on the projector-based instructions during the assembly tasks? *

- ☐ Entirely
- ☐ Mostly
- ☐ Somewhat
- ☐ Rarely
- ☐ Not at all

Section 11 : Complexity of the Assemblies

72

How would you rate the overall experience of all the assembly tasks? *

- ☐ Very Easy
- ☐ Easy
- ☐ Neutral
- ☐ Difficult
- ☐ Very Difficult

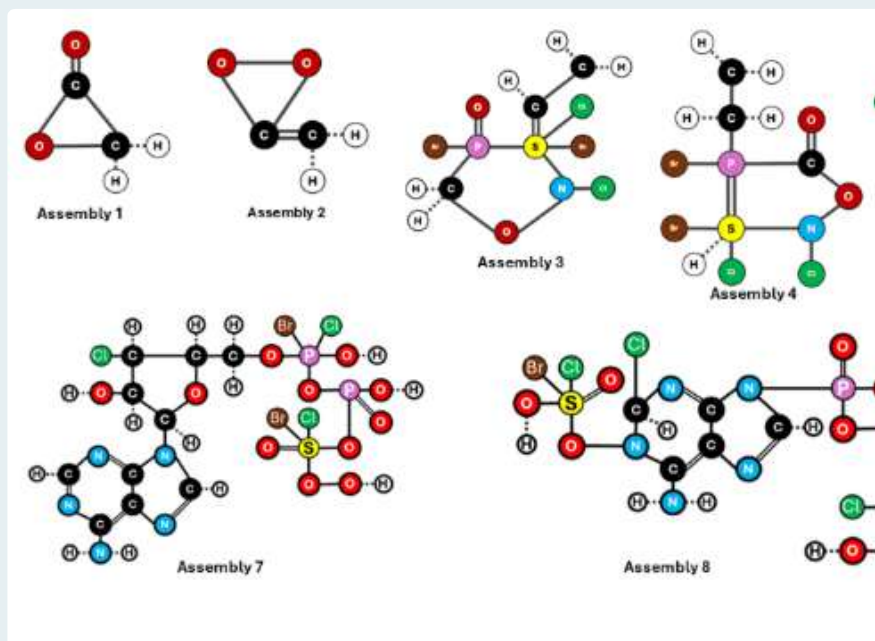
73

How confident did you feel while completing all the assembly tasks? *

- ☐ Extremely confident
- ☐ Somewhat confident
- ☐ Neutral
- ☐ Somewhat not confident
- ☐ Extremely not confident

Rate the complexity of each of the assemblies you worked on:

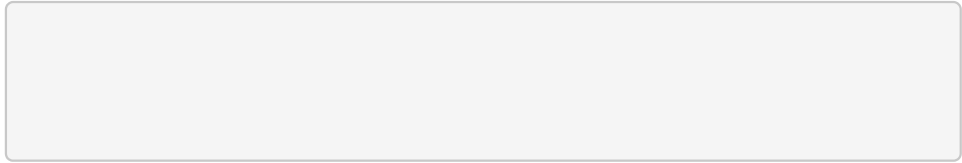
*



	Very Simple	Simple	Neutral
Assembly 1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assembly 2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assembly 3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assembly 4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assembly 5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assembly 6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assembly 7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assembly 8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

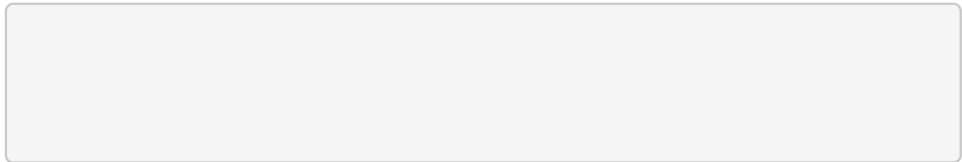
75

Which assembly did you find the most challenging? Why?

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76

Which assembly did you find the easiest? Why?

A large, empty rectangular box with a light gray background and a thin gray border, intended for the user to write their answer to question 76.

Section 12 : Feedback on in-situ projector-based work assistance

77

Projector-based work assistance is **easy to use**. *

1

2

3

4

5

Strongly Disagree

Strongly Agree

78

Projector-based work assistance is **helpful**. *

1

2

3

4

5

Strongly Disagree

Strongly Agree

79

Instructions and steps of the processes are **clear and easy** to understand *

1

2

3

4

5

Strongly Disagree

Strongly Agree

80

Project-based assistance **allows me to complete assemblies independently** *

1

2

3

4

5

Strongly Disagree

Strongly Agree

81

The projector system **simplifies** my work *

1

2

3

4

5

Strongly Disagree

Strongly Agree

82

I prefer to work with Projector-based system than paper based assembly instructions *

1

2

3

4

5

Strongly Disagree

Strongly Agree

83

To what extent do you agree with the following statement:
*The projector-based system **does not** cause any physical discomfort or health-related issues.* *

1

2

3

4

5

Strongly Disagree

Strongly Agree

84

In your opinion, did the projector-based instructions reduce your assembly time compared to paper-based methods? *

- ☐ Yes
- ☐ No
- ☐ Maybe
- ☐ Other

85

What aspects of the projector-based instructions were most helpful? (Select all that apply) *

- ☐ Visual clarity of the steps
- ☐ Step-by-step guidance
- ☐ Highlighting of specific parts/components
- ☐ Animation of atoms/connectors in the steps
- ☐ Other

86

What aspects of the projector-based instructions could be improved?

Section 13 : Open Feedback

87

What did you like most about participating in this experiment?

88

What challenges or frustrations did you encounter during the experiments?

89

Did you experienced concentration difficulties? *

- ☐ Yes
- ☐ No
- ☐ Other

90

Did you feel exhausted? *

- ☐ Strongly Disagree
- ☐ Disagree
- ☐ Neutral
- ☐ Agree
- ☐ Strongly Agree

91

Do you have any other comments or suggestions for improving the assembly process or instructions?

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