

Use of Simulations Survey (10B)

This questionnaire contains statements about the use of PhET simulations and Gizmo during online learning. You will be asked to express your agreement with each statement. There are no "right " or "wrong" answers. Your opinion is what is wanted. Think about how well each statement describes your experience using simulations. The alternative to simulations would be just PowerPoint slides and notes.

Be sure to answer all questions.

Some statements in this questionnaire are fairly similar to other statements. Don't worry about this. Simply give your opinion about all statements.

* This form will record your name, please fill your name.

1. I enjoy using simulations during online learning.

(alternative would just be reading notes)

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

2. I find that simulations aided me in understanding new science concepts that were taught during online learning.

(alternative would just be reading notes)

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

3. I find the content covered more exciting and changeable during online learning through the use of the use of simulations.

(alternative would just be reading notes)

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

4. I am more motivated during online learning because simulations provide an alternative to just PowerPoint slides and notes.

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

5. I can manipulate variables easily using simulations.

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

6. I can identify relationships easily through the use of simulations.

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

7. I feel a sense of accomplishment when I can answer the accompanying questions to the simulations.

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

8. I am willing to put in more effort during class when using simulations.

(alternative would just be reading notes)

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

9. I become more inquisitive about what I'm learning through the use of simulations.

(alternative would just be reading notes)

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

10. I believe the use of simulations can be beneficial to me.

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

11. I believe the use of simulations captured my attention.

(alternative would just be reading notes)

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

12. I can explore scientific concepts on my own through the use of simulations.

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

13. I feel a sense of accomplishment when I can complete all the accompanying tasks on my own.

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

14. I believe that simulation is a viable alternative to hands-on experiments in instances like online learning.

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

15. I can take more ownership of my learning through the use of simulations.

(alternative would just be reading notes)

- Strongly Disagree
- Disagree
- No Opinion
- Agree
- Strongly Agree

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