Exploring the Benefits of Collaborative Two Stage Exams in a Large Introductory Biology Course

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Individual exams

•Allow students to demonstrate their individual understanding of the material.

•Provide an opportunity for students to work independently and develop critical thinking skills.

•Encourage thorough preparation and understanding of the material on an individual level.

Individual exams with a group

•Promote collaboration and teamwork skills among students.

- •Foster a sense of community and shared learning experience.
- Decrease test anxiety.
- •Can generate long-term concept retention.

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Logistics for 75 min. session

Individually 25 questions 50 minutes



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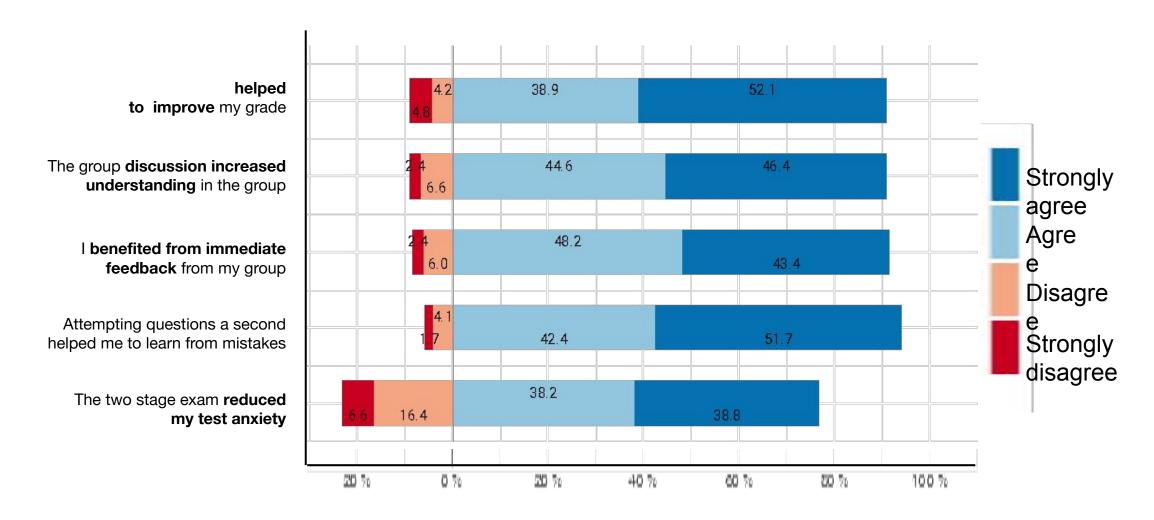


Group
10 questions
20 minutes

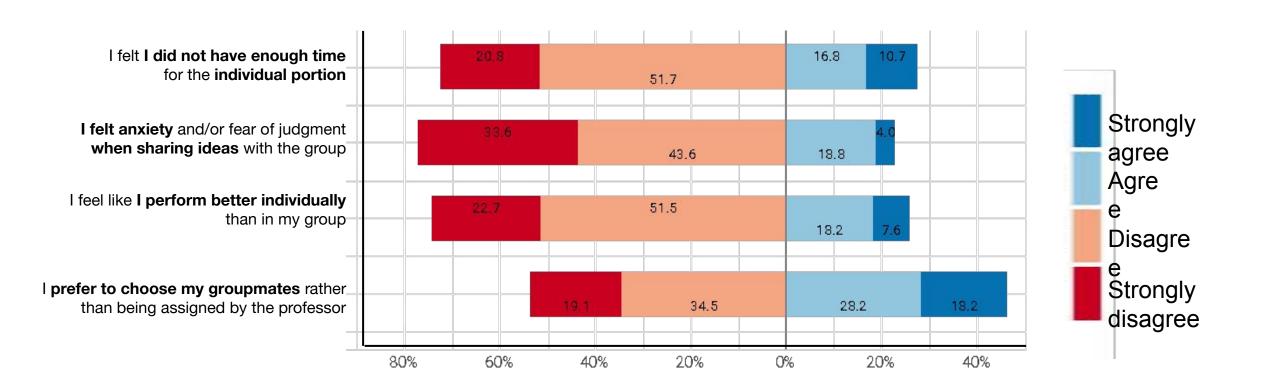


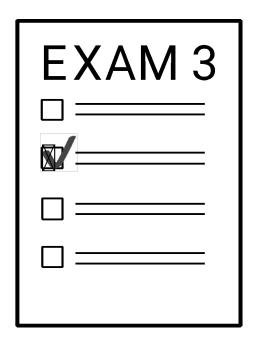


Survey BIOL 151 Fall 2023



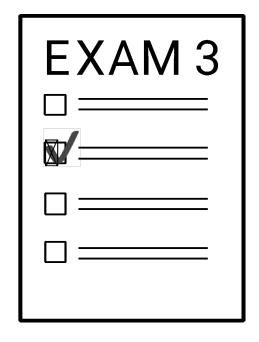
Survey BIOL 151 Fall 2023



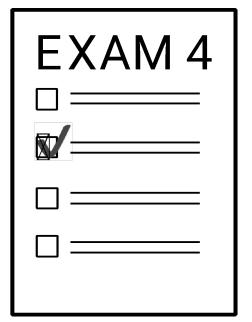


5 Qs. Individually

5 Qs. Groups



Vs

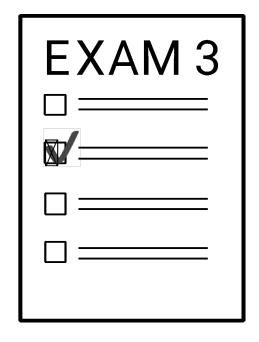


5 Qs. Individually

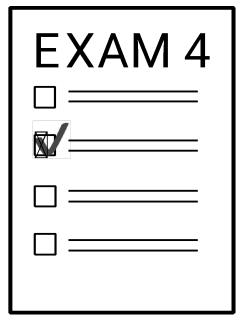
5 Qs. Groups

5 Qs. Individually

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Vs

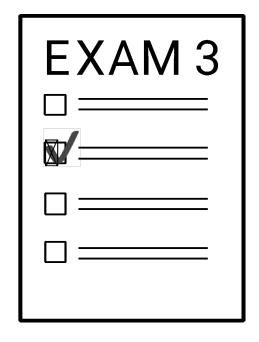


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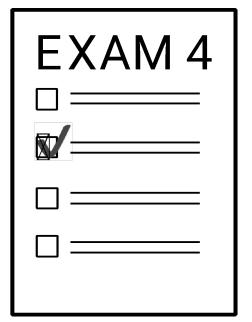
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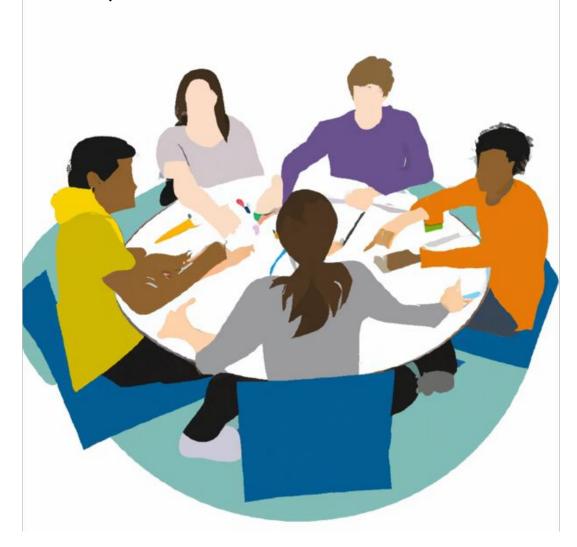
5 Qs. Individually

5 Qs. Groups

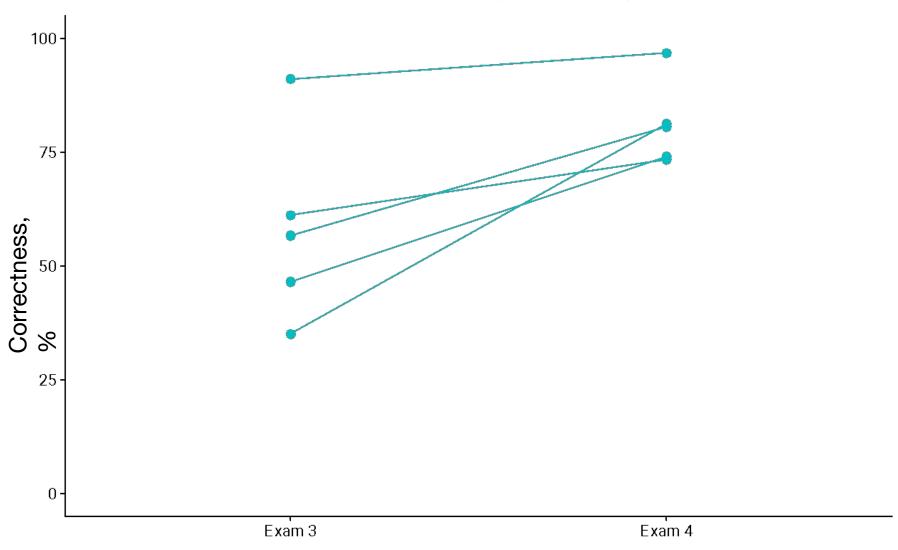
5 Qs. Individually

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Questions?



Answered only Individually



Discussed in Group

