

Name: _____ Partner Name: _____

Product to test: _____

Taste-Test Project

Sample Day 12/5-6/18

Final Products due 12/17/18

You will design an experiment to answer the following question:

Is there a noticeable difference between a name-brand item and its competitor or "knock-off" equivalent?

1. You will carry out your experiment using selected members of the class on _____. Those not selected for the sample will critique.
2. You will create a poster or Power Point with your question and results
3. You will also write a 1-page paper summarizing your work and results.
4. All posters, power points, and papers are due at the beginning of class on _____.
 - a. Your group will present your final project to the class before Winter Break.
5. There will be 9 groups of 2 students. Each student must submit his/her own work.

As you design your experiment, consider the following:

- What food/drink item will you be testing?
- Is serving temperature important? If so, how will you control for that variable?
- How much of the product will be consumed?
- In what order will your sample members test the items (which item first)?
- Will the items be consumed all at once or one person at a time?
- How many people will be in your sample?
- Who will comprise your sample?
- How will they be selected?
- How will you ensure randomness in the sample selection process?
- How will you create blinding?

Hints

- If you're serving a food product, you may want to provide water to drink between the items consumed.
- I will provide paper plates, napkins, and small cups. You are responsible for everything else. If you are using items to create blinding (like a dark colored cup) you must bring it.
- You're welcome to serve the class after all of the experiments are completed.

Essay Rubric

Students can score 5 points per bullet for a total of 50 points.

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- Will the items be consumed all at once or one person at a time?
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Power Point / Poster Rubric

Students can score up to 10 points per slide category.

Power Point Grade	10 pts	9-7 pts	6-4 pts	3-1 pts	0 pts
4 Step Process	Students followed the 4 Step Process	Students left out 1 step of the 4 Step Process	Students left out 2 steps of the 4 Step Process	Students left out 3 steps of the 4 Step Process	No Procedures
Procedures	All procedures are clear and easy to follow.	Procedures are mostly clear and easy to follow, but some clarification needed.	Procedures are less clear and not easy to follow, and clarification needed.	Procedures are not clear and not easy to follow, and a lot of clarification needed.	No Procedures
Data	All data is present and graphically displayed.	Most data is present and/or graphically displayed.	Some data is present and/or graphically displayed.	Little data is present and/or graphically displayed.	No Data
Results	Results are clear and easy to follow.	Results are mostly clear and easy to follow, but some clarification needed.	Results are less clear and not easy to follow, and clarification needed.	Results are not clear and not easy to follow, and a lot of clarification needed.	No Results
Conclusion	Students stated if they could or could not make an inference and why.	N/A	Students did not state inference or why.	N/A	No Conclusion

Essay ___/50 points

Power Point ___/50 points

Total ___/100 points as a major test grade

Taste-Test Critiques

Name _____

Group Members _____

Sample Members _____

Product _____

Question _____

1. What measures were taken to ensure randomness in the sampling selection process?

2. What additional measures would you suggest?

3. What measures were taken to eliminate bias in the design of the experiment?

4. What additional measures would you suggest?

Taste-Test Critiques

Name _____

Group Members _____

Sample Members _____

Product _____

Question _____

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2. What additional measures would you suggest?

3. What measures were taken to eliminate bias in the design of the experiment?

4. What additional measures would you suggest?