

Name: _____

Date: _____

Genes & Supertasters

1. Where does our taste come from? _____
2. What sense needs to be developed and learned? _____
3. What was taste an indicator of in ancient times, even now? _____
4. Describe a supertaster _____

5. Describe a nontaster _____

6. What can a nontaster use to heighten their sense of taste? _____
7. What does eating sweets tell your body? _____

Experiment: SuperTaster, NonTaster, Or Normal?

Testing if you are a supertaster, nontaster or normal is easy! Begin by writing your hypothesis on which you think you are and how many taste buds you will have on your tongue:

Hypothesis:

Vocab

Hypothesis: if _____,
then _____

If I do not study, then I will
fail the test.

Materials Needed:

- 1 Blue Regular Lollipop
- 1 Sour Lollipop
- 3-hole punched paper
- Scissors
- Magnifying glass or phone camera
- 1 mberry Miracle Fruit Tablet



Procedure Part One

1. Get in groups of two and one person completing this at a time
2. Begin eating your blue lollipop.
3. Cut a square around your hole on your paper
4. Once your tongue is entirely blue, put the piece of paper on your tongue towards the front
5. Have your partner count the amount of taste buds you have in that circle. Careful, you may begin to drool
6. Switch turns!

Conclusion:

How many taste buds do you have?

Circle which taster you are:

Normal: 15-30

Supertaster: > 30

Nontaster: < 15

Procedure Part Two

7. Open your sour lollipop and see how sour it truly is by tasting
8. Open and place an mberry tablet on your tongue and use it similar to a mint. Be sure to move the tablet all around your tongue for a few minutes until dissolved or soft to chew
9. Now, taste your sour lollipop
10. Record your observations below

Observations: _____

This is how a nontaster and normal taster can become a super taster. Tasting all of the flavors of food, not just sour

Conclusion: How do you think your taste buds compare to your friends based on the experiment? What foods would you want to try with mberry?

