

## Inquiry Question

Can you identify what you are eating with your eyes closed and our nose plugged?

Name: \_\_\_\_\_ Date: \_\_\_\_\_



When we eat, we like to thank our taste buds for the wonderful tastes. However, did you know our nose makes a huge impact on what we eat.

Without your nose, you may not be able to tell the difference between foods — especially if the foods all have the same texture.

Watch this video of others doing this experiment:

<https://www.youtube.com/watch?v=XF1-paORD-M>

## General Instructions

Make sure you can't see or smell before you taste.

### Materials you'll need:

- A blindfold
- Two different flavors of jellybeans
- Apple and Potato
- Cherry Tomato and Green Grapes
- Yogurt and Pudding
- Sugar and Salt

### Hints and Ideas:

1. Blindfold a friend.
2. Ask your friend to pinch his or her nose.
3. Offer your friend one flavor of the food at a time.
4. Can he or she identify it? (Your friend might want a drink of water between the different foods.)
5. Offer the same food and tell your friend to un-pinch his or her nose. Now, does your friend know what it is?

### Project Submission

Use the worksheet below to show your findings. Then either take a picture or scan the worksheet to upload.

Can you identify what you are eating with your eyes closed and our nose plugged?

Name: \_\_\_\_\_

1. Use the following table to record your findings. Use a check mark (✓) if you were able to guess the smell. If not use a ( x ).

<b>Food (what food did you try)</b>	<b>Smell</b>	<b>Without Smell</b>

2. How did plugging your nose make a difference to your taste? Explain.