



SCIENCE EXPERIMENT

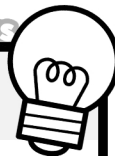
Name: _____

SUPERSTARWORKSHEETS

QUESTION:

How do your stomach's muscles and gastric juice work together to break down food?

HYPOTHESIS:



MATERIALS:

- ☐ 1 resealable plastic bag
- ☐ 2-3 crackers
- ☐ 1/4 cup water
- ☐ 1 tablespoon vinegar



PROCEDURE:

1. Place the crackers inside the resealable bag and seal it most of the way, leaving a small opening.
2. Use your hands to crush the crackers into small pieces through the bag (this represents chewing).
3. Add the water and vinegar to the bag, then seal it completely.
4. Squeeze and knead the bag with your hands for 1-2 minutes to mimic peristalsis, the wave-like muscle movements of the stomach.
5. Observe how the mixture changes as you knead the bag.
6. Record what you observed in the box below.

FINAL OBSERVATIONS:

What the mixture looked like before kneading:

What the mixture looked like after kneading:

CONCLUSION: