

Name: _____ Date: _____

My Stomach Investigation

What question will you be investigating?

What equipment will you need?

Describe how you will carry out your investigation:

How will you make sure it is a fair test?

What do you predict your results will show?

Results:

Conclusion:

Our stomach produces acid to help break down food so it can be digested.

- What would happen if this acid wasn't in our stomachs?
- Would food break down if there was just water and the other drinks we drink in our stomachs?
- Does acid break down all foods in the same way?

How can we find out how acid affects the food in our stomachs?



How could you explore these questions?

One way you could test this would be to put an acid in a sealable bag with some food to see what happens. You could squish the bag as well to mimic the muscles that contract in our stomach to churn the food up.

You could compare this to food put in a sealable bag with water to see if there is a difference in how long it takes for the food to break down.

Liquids you could test:

- Vinegar
- Lemon juice
- Cola
- Water
- Squash

Foods you could test:

- Crackers
- Bananas
- Bread
- Apples
- Crisps

Choose a question you want to investigate, then plan and carry out your investigation. Remember to make sure it is a fair test!

Our stomach produces acid to help break down food so it can be digested.

- What would happen if this acid wasn't in our stomachs?
- Would food break down if there was just water and the other drinks we drink in our stomachs?
- Does acid break down all foods in the same way?

How can we find out how acid affects the food in our stomachs?



How could you explore these questions?

One way you could test this would be to put an acid in a sealable bag with some food to see what happens. You could squish the bag as well to mimic the muscles that contract in our stomach to churn the food up.

You could compare this to food put in a sealable bag with water to see if there is a difference in how long it takes for the food to break down.

Liquids you could test:

- Vinegar
- Lemon juice
- Cola
- Water
- Squash

Foods you could test:

- Crackers
- Bananas
- Bread
- Apples
- Crisps

Choose a question you want to investigate, then plan and carry out your investigation. Remember to make sure it is a fair test!