

The impact of organics  
compounds on bones  
properties study

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## **Objects used in this experiment:**

- 2 chicken bones
- 2 jars with a screw caps
- Apple vinegar
- Water

## **Description of experiment:**

I put bones to each jar separately. I poured the water into one jar and apple vinegar to second one. Both jars were closed for 5 days and left in room temperature.

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## **The study problem :**

What is the impact of water and apple vinegar on bones?

## **Course of study- observations:**

I was taking a photo of bones used in this study every day. At the beginning both bones were just the same. I noticed the bone in apple vinegar changed the colour – it was getting dark, and so did both liquids. On the sixth day I took them out dried out and noticed the bone from vinegar was soft and able to bend I could squeeze it. The situation with bone from water was totally different , it didn't change a lot , it was still hard.

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## **The result:**

The vinegar impacts on bones properties.

## **Conclusions:**

The vinegar removes mineral salts from bones and that makes they are not hard and rigit any more.