

"DEBONING" Experiment

The teacher will need to place chicken bones in vinegar prior to the start of the unit so the chemicals can react.

1. In cooperative learning groups, students will observe chicken legs soaked in vinegar in jars.
2. Students will observe bones that have not been placed in vinegar.
3. Students will compare and contrast the similarities and differences of the sets of bones.
4. Students will deduce that the bones that were placed in vinegar were weaker and more flexible.
5. The teacher will explain that the vinegar contains an acid which dissolves the calcium phosphate in the bones.
6. Without calcium bones will lose their hardness and will become weaker.