

NAKED EGG

MATERIALS

- RAW EGG
- CLEAR GLASS OR JAR
- WHITE VINEGAR



INSTRUCTIONS

1. PLACE THE EGG IN THE GLASS OR JAR.
2. POUR ENOUGH WHITE VINEGAR INTO THE GLASS OR JAR TO COMPLETELY COVER THE EGG.
3. LEAVE THE EGG IN THE VINEGAR FOR 24-48 HOURS. DURING THIS TIME, CHECK ON THE EGG TO SEE ANY CHANGES.
4. AFTER 24-48 HOURS, REMOVE THE EGG FROM THE VINEGAR AND HAVE AN ADULT CAREFULLY RINSE IT UNDER RUNNING WATER.
5. OBSERVE AND DESCRIBE ANY CHANGES IN THE EGG. THE SHELL BECOMES SOFTER OR EVEN DISAPPEARS COMPLETELY, LEAVING A "NAKED" EGG.
6. THE EGG CAN EASILY BURST SO ITS IMPORTANT TO BE GENTLE WITH IT.

EXPLANATION

VINEGAR IS AN ACID, LIKE LEMON JUICE. ACID CAN DISSOLVE EGGSHELLS. AFTER A DAY OR TWO, THE SHELL DISAPPEARED, AND YOU ARE LEFT WITH A 'NAKED' EGG! EVEN THOUGH THE SHELL IS GONE, YOU CAN STILL SEE THE EGG'S THIN MEMBRANE, WHICH IS LIKE A STRETCHY SKIN HOLDING EVERYTHING TOGETHER INSIDE THE EGG. THE NAKED EGG WILL ALSO BE BIGGER THAN IT STARTED SINCE WATER HAS MOVED THROUGH THE MEMBRANE.

EXTENSION

REPEAT THE EXPERIMENT BUT COLOR THE VINEGAR WITH FOOD COLORING THIS TIME. WHAT HAPPENS TO THE EGG?