



NAKED EGG

SCIENCE SAFETY

PLEASE follow these safety precautions when doing any science experiment.

- **ALWAYS** have an adult present.
- **ALWAYS** wear the correct safety gear while doing any experiment.
- **NEVER** eat or drink anything while doing any experiment.
- **REMEMBER** experiments may require marbles, small balls, balloons, and other small parts. Those objects could become a CHOKING HAZARD. Adults are to perform those experiments using these objects. Any child can choke or suffocate on uninflated or broken balloons. Keep uninflated or broken balloons away from children.

INGREDIENTS

- Raw Egg
- Transparent Drinking Glass
- Vinegar
- Flexible Measuring Tape

INSTRUCTIONS

STEP 1: Fill the transparent drinking glass half of the way with vinegar. Describe and classify the vinegar by its observable properties.

STEP 2: Using the flexible measuring tape, measure the distance around the fattest part of the egg. Using this data, identify the balloon based on its properties.

STEP 3: Place the raw egg into the glass of vinegar. Describe and classify the raw egg by its observable properties.

STEP 4: Wait 24-hours later and then rinse the egg with water. Use your fingers to gently rub the egg until the shell is completely removed from the egg and observe. Using the flexible measuring tape, measure the distance around the fattest part of the egg. Using this data, identify the balloon based on its observable properties.

EXPLANATION

The vinegar is an acid, which breaks down the eggshell. As the eggshell is dissolved, the membrane, hiding under the shell is revealed.



SCIENCE BACKGROUND

Matter is anything that has mass and takes up space. Different kinds of matter exist and many of them can be either solid or liquid, depending on temperature. Matter can be described and classified by its observable properties. Measurements of a variety of properties can be used to identify matter. Different properties are suited to different purposes.

I CAN STATEMENT

- ✓ I can plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
- ✓ I can make observations and measurements to identify materials based on their properties.

NEXT GENERATION SCIENCE STANDARDS CONNECTION

2 – Structure and Properties of Matter | Patterns

5 – Structure and Properties of Matter | Scale, Proportion, and Quantity