

Science EGGsperiment

Question

Can you make an egg bounce?

Hypothesis (guess)

Students should make a guess and write down their conclusions.

Materials

White vinegar, large cup or jar and water, and of course a hard boiled egg.

Procedure

- 1 Put the vinegar in a jar, and immerse the hard boiled egg in the vinegar for approximately 48 to 72 hours (until the shell is dissolved).
- 2 Take the egg from the vinegar and soak in water overnight.
- 3 Allow the students to lightly drop the egg onto a surface, from a height no higher than twenty inches.

Result

The egg does not break. It `bounces`. (If you drop the egg from a greater height the egg is likely to break).

Conclusion

The vinegar removes the shell but leaves the membrane. The water then stretches the membrane. This allows the egg to `bounce`.

