

Disappearing Egg Activity

Supplies needed:

- 16-ounce mason jar with lid and ring
- White vinegar
- Fresh egg

Directions:

1. Gently place the egg into the mason jar.
2. Fill with vinegar leaving 1/2" space at the top. It is important to leave room at the top of the jar or it might burst from the carbon dioxide gas produced by the reaction.
3. Loosely cover the jar with the lid and ring. Again, make sure it is not too tight so that the gas can escape the jar.



4. Let sit for about two days. Remove from jar and rinse off in water. Enjoy your shell-less egg!



Why did the eggshell disappear?

The eggshell dissolves because eggshells contain calcium carbonate, the main ingredient in many antacid tablets. This dissolves in the acidic vinegar to produce calcium ions (which stay dissolved in the vinegar) and carbon dioxide gas. The carbon dioxide produces the bubbles that you will see while the egg is dissolving.