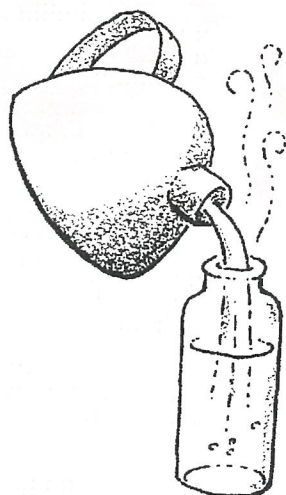


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## The Egg in the Bottle Trick

Can you really put an egg into a bottle—if the bottle has a neck that is slightly smaller than the egg—without mashing the egg?



**What to do:** Pour the boiling water into the bottle. Hold the bottle with a pot holder and shake the water around in it and then pour it out. Quickly place the egg over the mouth of the bottle.

**What happens:** Although the egg is larger than the opening, the egg drops into the bottle.

**Why:** The hot water leaves steam in the bottle, which forces out some of the air. As the steam in the bottle cools, it changes into droplets of water and requires less space. This reduces the amount of air pressure in the bottle, and so the pressure of the outside air pushes the egg inside the bottle.

To remove the egg, hold the bottle upside down, place your mouth on the opening of the bottle, and blow into it for 30 seconds. The pressure inside will be greater than the pressure outside—and the egg will be forced out.

**YOU WILL NEED:**  
boiling water  
small-necked bottle  
like a ketchup bottle or  
a baby's bottle  
pot holder  
hard-boiled egg, peeled

