



Let's Let off the Air



Can you let the air?



Materials



- 2 Stainless steel bowls
- Rubber board (Thickness 2mm, Width20cm × Length20cm)
- Utility knife
- Scissors
- Nail
- Inflator for balloon
- Hammer
- Cellophane adhesive tape



Rubber board

Stainless steel bowl

Inflator for balloon

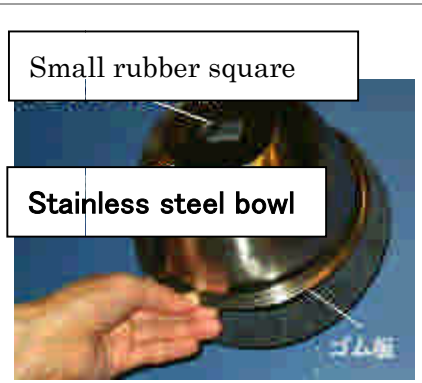
Make a equipment

<p>1</p> <ul style="list-style-type: none"> • Make a hole with a nail and hammer in the bottom of the bowl 	<p>Nail</p> <p>Diameter of 3mm</p>	<p>Bigger than a bowl.</p>
<p>2</p> <ul style="list-style-type: none"> • Cut a rubber ring like a doughnut, it should be bigger than the edge of the bowl. 		
<p>3</p> <ul style="list-style-type: none"> • Cut another rubber ring like a doughnut, it should be bigger than the bottom of the inflator for the balloon (Size:5cm, width:1cm) 	<p>Bigger than the inflator.</p> <p>Bottom of the inflator for balloon</p>	<p>With cellophane adhesive tape</p> <p>Diameter of 3mm</p> <p>Rubber board (1cm × 1.5cm)</p>

4 •Cut a square rubber (1.2cm × 1cm) and cover the bowl hole to and secure with cellophane adhesive tape.

❁ Experiment ❁

1 Put the rubber ring on the edge of the bowl that has no hole



2 •Put the other bowl against it and turn up the face of opened hole.

3 •Put the small rubber square on the bottom of the bowl. Then press the bottom of the inflator for balloon to small rubber square.



Rubber square(1cm × 1.5cm) is fixed one side of it with tape



4 •Pump the air out of bowls.

5 •Pull in opposite directions.



◆ When you extract the air, The pressure from inside will become small.
Because of this, you can't pull them apart anymore.

◆ Open the rubber square slowly, the air will return into the bowl and
you can pull them .



Other experiments of atmospheric pressure

[Tancho sensei No,37](#)

[LOOK「Magudeburuku」](#)

Burn the paper in the bowl and drop the
pressure.



[Tancho sensei No,49](#)

[LOOK「Crush the bottle」](#)



[Tancho sensei No,11](#)

[LOOK「Gomupita」](#)



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