

No61

# Let's Push the Mass of air



**Point**

**Make spinning smoke rings**



**Materials**



- Scissors
- Utility knife
- Vinyl tape
- Rubber balloon
- PET bottle (Round shape is better)



## ✿ Make the air gun ✿

1

- Cut the bottom of the PET bottle (From the bottom 1 ~ 2cm )



Tape the PET bottle

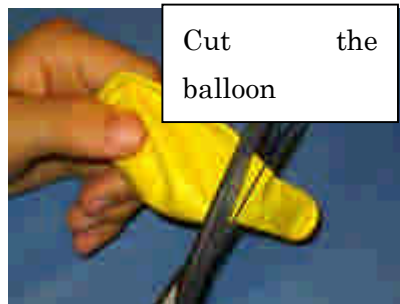


2

- Put the vinyl tape on the opening of wound.

3

- Cut off 2cms from balloon opening.



4

- Cover the PET bottle with the balloon like in the picture.

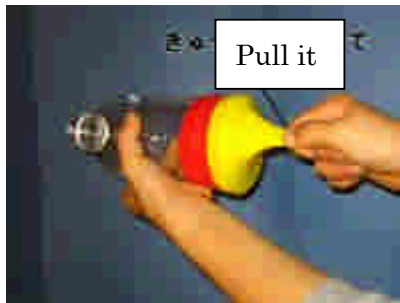
5 •Fix the balloon with vinyl tape.



6 •Finished !!!

## ✿Experiment 1✿

1 •Pull the balloon and let go of it



2 •Let's shoot at a target.

\* Shoot it

## ✿Experiment 2✿

1 •Put the smoke in the PET bottle and tap the rubber.



2 •What will happen in the water? Can you guess?

### 💡 Information

💡 The air from the PET bottle will go out spinning like a ring, so friction between the surrounding air becomes small. That's why you can shoot the air.

💡 Some scientists have tried to invent a TV that can create aromas using this technique.

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