



Turn! Move! Light! Static



Let's bend a water stream and light a fluorescent bulb with static electricity.



Point

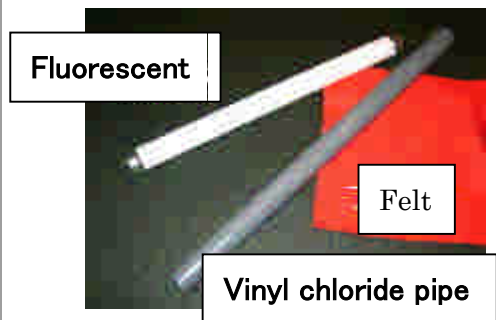
Using properties of electricity



Materials



- Fluorescent bulb
- Water
- Vinyl chloride pipe
- long rubber balloon
- Plate
- Felt



***Produce static electricity ***

- Produce static electricity by rubbing the pipe or balloon by felt.



***Approach to a water current ***

1 Run some water.



2 Put the pipe close to the water.

Vent

3 •What will happen when you put the pipe close to water from an icicle or snow?



Floating ice

1 Put the water and ice in the plate.



2 Put the pipe close to the ice.

3 •Pour the Water before it spills, what will happen when you approach the pipe?



surface tention

[Zoo Up](#)

Approach to a fluorescent

1

In a dark room, ask someone to hold an end of the fluorescent bulb.



2

Contact the electrostatic pipe to the other side of the fluorescent.

You can try to use two fluorescents.
Let's find other things to change by static electricity.

Information

- ◆ Rub the pipe with felt, it becomes minus magnetized.
- ◆ Water has Plus and minus electricity. If you approach minus electricity to the water, plus electricity appears at the surface of the water..
- ◆ This is the same theory to attract trash or a piece of paper by static electricity.
- ◆ The reason for the lighting of the fluorescent bulb is that the static electricity flows through the fluorescent in an instant.

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