

Natural science is a field of science the focuses on the physical world. Natural scientists study the Earth's natural processes. Learn about 2 natural processes through the experiments below!

# Whirlpool Experiment



### MATERIALS

- Shallow plastic tray
- 1 tbsp salt
- 1 tbsp pepper
- Spoon
- Piece of cloth (felt works best)

## What's Happening?

Both the salt and pepper are positively charged and attracted to the spoon. The pepper particles are lighter, however, which allows them to stick to the spoon.

#### INSTRUCTIONS

- Pour the salt and pepper onto the tray and mix them together.
- Wrap the fabric around the spoon. Rub the spoon against the fabric to create friction. Do this for 10-15 seconds. This action causes static electricity and negatively charges the spoon.



- Now that the spoon is negatively charged, hold it about an inch over the tray.
- A Notice how the pepper, which has a natural positive charge (like most items in nature), sticks to the negatively charged spoon. Static electricity makes this possible.

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