

STATIC SALT AND PEPPER

You will need:



A BOWL OR A PLATE



SALT AND PEPPER



A PLASTIC COMB
PREFERABLY A LIGHT COLOUR SO EXPERIMENT
CAN BE CLEARLY OBSERVED

Method:

On the plat/bowl mix an equal amount of salt and pepper

Brush your hair with the comb

Hold the comb over the salt/pepper mixture and you will see some jumping

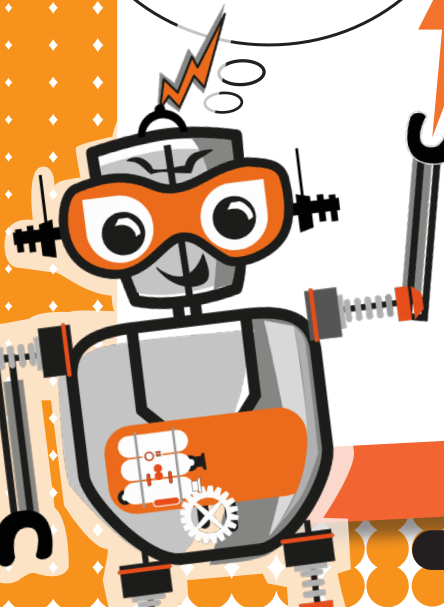
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Hint:
This will only work if the person who brushed their hair is still holding the comb over the bowl/plate. This is because the charge is lost if the comb is exchanged.

Static electricity occurs when charge builds up in one place.

Objects typically have an overall charge of zero, so accumulating a charge requires the transfer of electrons from one object to another.

There are several ways to transfer electrons and thus build up a charge: friction (the triboelectric effect), conduction, and induction.



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