

How to make lightning.

Q3

PURPOSE & HYPOTHESIS

How does lightning happen?

We are gonna create electricity.

I think I am not gonna see the lightning but feel it.

RESEARCH

What I know is gonna happen in this project is im gonna get shocked. This interested me because this something new and wanna learn about. The only thing i know about this topic is that i'm gonna feel it and not see it.

MATERIALS

Tin foil

Plastic fork

Styrofoam cup

Rubber gloves

Wood cutting board

EXPERIMENT

I wrapped tin foil around the plastic fork.

I put on the rubber glove and rubbed styrofoam cup on my hair.

I put styrofoam on cutting board and touched my fork on the cup.

Then I touched the foil with my other hand.

Then I put the tin foil fork on the styrofoam cup and touched it again with my other hand.

PHOTOS

You can add an additional 2 slides if you need more space for pictures or graphs.

ANALYSIS

2/14/21 7:30 p.m.

When i rubbed the styrofoam cup on my head the electricity on the cup made my hair stand up. After when i put the plastic fork with tin foil on the cup i touched the fork and it gave me a shock which was the lightning.

CONCLUSION

The static shock was not very strong because the temperature was too cold and it was humid. When I was rubbing the styrofoam cup on my head it created electricity. The foil wrapped around my fork, and it conducts electricity.

REAL WORLD CONNECTION

It teaches about electricity and how lightning occurs in nature. It will teach me and my friends to be safe in a lightning storm.

WORKS CITED

What i used for this project is a website called 1,000+ science fair projects. My dad helped me a little with my project.