

3rd Grade (Week 4)

Static Electricity

There are different types of electricity. One of them is called static electricity. Static Electricity is the build up of an electrical charge on an object. The reason that it is called static electricity is because the charges stay in one area for some time and do not move to a different area.

Today you will conduct a static electricity experiment. Follow the directions below.

Salt and Pepper

- a plastic spoon
- salt
- pepper
- a piece of cloth

Procedures:

- Mix a teaspoon each of salt and pepper thoroughly
- Rub the spoon with the cloth for 40 seconds
- Hold the spoon over the mixture. The pepper will jump up and stick to the spoon (if you hold the spoon over the right spots)
- Write down what you observe
- You may also want to try different kinds of cloth and varying the time

How it works:

Both the salt and pepper granules are positively charged. The spoon, which has gained electrons from the cloth, attracts positive charges in the mixture. But the pepper, which is lighter, will jump up more easily and stick to the spoon.

<https://iswitch.com.sg/fun-static-electricity-home-experiments/>

<https://www.coolkidfacts.com/static-electricity-for-kids/>

4th Grade (Week 4)

April is National Poetry Month. Please read the following poems and answer the questions.

3 Types of Rocks

3 types of rock,
Are really a must,
These 3 types of rocks,
Create the Earth's crust...



Igneous rocks,
When lava halts,
Are volcanic rocks,
Like mafic basalts...



Sedimentary rocks,
Should it be known,
Compressed like coal,
Or like limestone...



Temp and pressure,
At extremes?
Metamorphic rock,
Is formed it seems...



4 billion years,
Rock's been here!
So I don't think they'll disappear!
Used for tools from times of old,
Some are ores with lead or gold!
4 billion years of rocks, I said,
The same ones used, by a dude named Fred...



What are the three types of rocks mentioned in the poem?

According to the poem how are igneous rocks formed?

What are two kinds of sedimentary rocks?

How are metamorphic rocks formed?

According to the poem, what is one thing rocks were used for?

<https://sciencepoems.net/3-types-of-rocks-poem/>