All about Aluminum

Aluminum is an element which is metal like with a mix of its properties and some unlike properties. Aluminum is one of the most abundant materials of Earth being right after oxygen and silicon, but it must be sourced from bauxite ore and go through a big process to become pure aluminum. Aluminum has many included elements like copper, magnesium, manganese, silicon, and zinc. Aluminum’s color is also helpful, as it is solid nonmagnetic, non-lustrous, and silvery white with slight blush tint. Another benefit is that aluminum is also very easy to recycle, and 75% percent of all aluminum made is still in use. It is very flexible, and very combustible. Now how is being combustible good? Well, it can be used to powered rockets, or in a smaller scale used as fuel.

Some problems that we could face are safety and implementing on a big scale. As aluminum does not trap heat, it might let out some greenhouse gasses, as it is also highly combustible. With it being combustible, safety does not go with it.

Aluminum batteries might be our future. They are very ecofriendly as mentioned before, and also light weight. The problem that we face is that they are not rechargeable. Aluminum batteries is also the cheap side.

Another experiment that would power a car would be the aluminum corroding with electrolyte solution and some other materials, like sodium hydroxide. It produces energy and gives go of clean water. This water can be drunken, and would be a clean solution.

This is about aluminum, its properties, and how it can be used to solve problems.

By Riddhesh Jaini And Izaan Dukandar

Cite stuff >:D