

DEUTERIUM

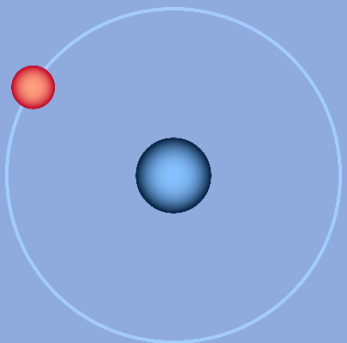
TRITIUM

FUSION

HELIUM

Fusion needs two main ingredients to work! The first is a type of Hydrogen atom called "Deuterium." This is found quite easily in ocean water!

Deuterium is just like hydrogen, but with two "nucleons" in the centre instead of one! Below is hydrogen, with just one nucleon!



The second ingredient is another type of Hydrogen atom called "Tritium." This can be made from "Lithium," which makes the batteries in your phone!

Tritium is like deuterium, with yet another nucleon!

Combining these two ingredients in a Fusion reactor releases lots of energy, using the same physics as what happens in our Sun!

This energy is used to heat up water that is passed over the Fusion reactor, turning it to steam and pushing turbines. That's how electricity is then made!

What comes out the other end of this mixture is "Helium." Helium is what makes our balloons float and is found naturally in our environment.

Helium was first discovered in 1868 in the Sun before it was found on Earth!

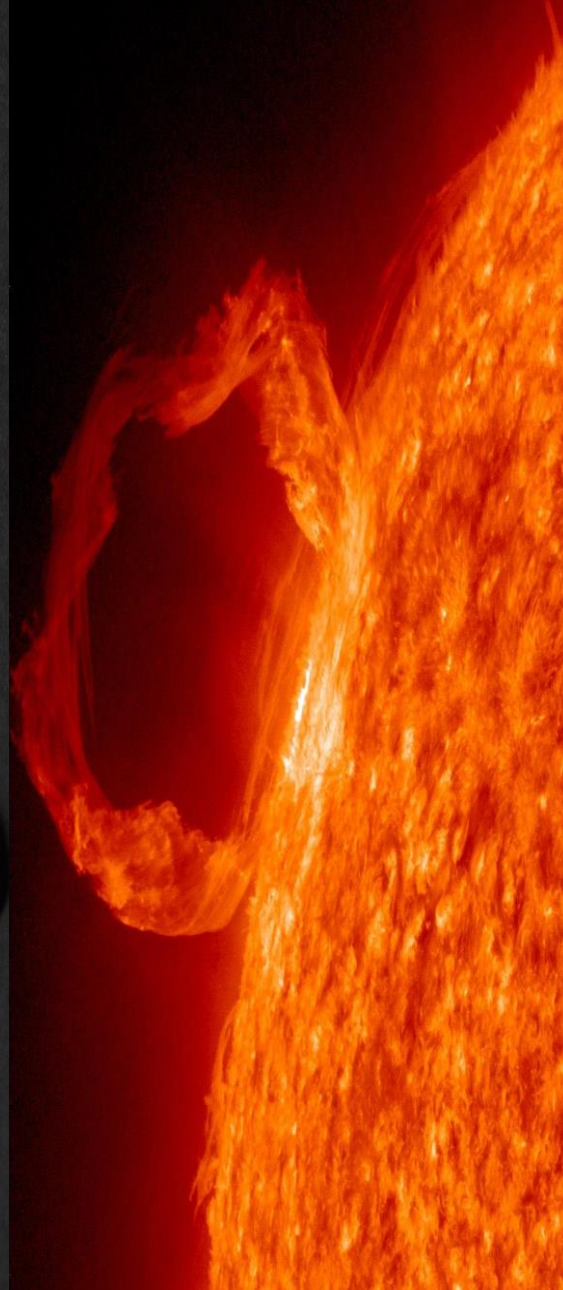
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