



Core of reactor

I) what is nuclear energy ?

>The historic of Energy

In march 1896 Henri Becquerel revealed a invisible spectrum than he has showed that these uranium ray make the air conductor of electricity.

>The radioactivity

The atoms which is composing the matter are stable in general, but some of them are transforme spontaneously emitting radiation that sweep energy. There is radioactivity.

>The production of nuclear energy

There are two principal main to produce nuclear energy: fission and fusion.

The Fission :

Their starting energy is finnaly transformed in heat that causes local heating of the uranium. The principle of a nuclear reactor is to recover this heat and convert it in electricity.

The Fusion :

When nuclear fusion two atomic nucleus assemble to form a new heavier nucleus. This fusion produces enormous quantitys of energy from the attraction between nucleons due to the high interaction.

>The uses of nuclear energy.

The nuclear energy is mainly used to produce electricity,we find it also in the medical and indestial field.

II) Energetical bargain

>Economical advantages

the nuclear sector accounts about 120,000 jobs in France and creates far more jobs than other modes of energy producing such as the natural gas or the coal. So it is an asset for the economical health of France, which produces more than 75% of its energy thanks to nuclear.

>Environmental Advantages

Nuclear energy is an energy that doesn't emit any greenhouse gases during the production of energy (the smoke which escape is composed only of water vapor), which is an enormous advantage over the other fossil fuels such as the oil or the natural gas. We can therefore claim that nuclear energy has no impact on global warming.