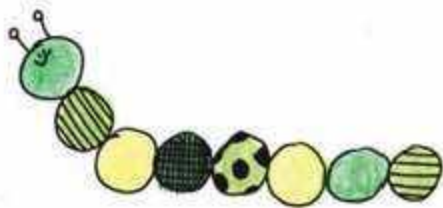


About fusion energy

"What is fusion energy?"

⇒ Energy extracted by fusion of nuclei.

- ① Deuterium as a fuel for fusion. It is inexhaustible because it exists in seawater.
- ② Since carbon dioxide and nitrogen oxides that cause deterioration of the globe, it is excellent in environmental safety.
- ③ A lot of energy can be generated with a small amount of fuel.



Consideration

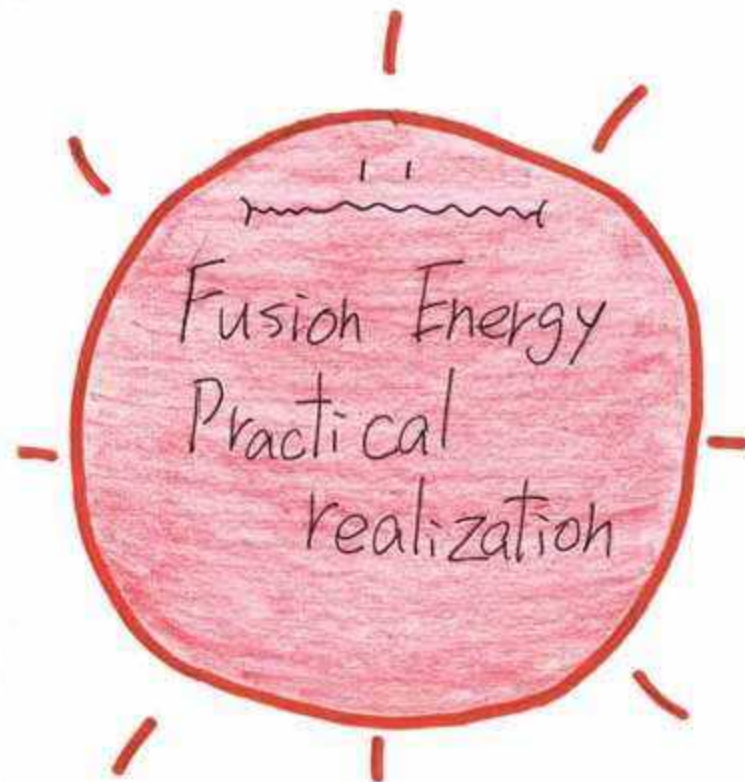
There are few disadvantages and many advantages.

We understood that it is energy that can be expected from now on. Fusion energy will not be depleted, Excellent for the environment and safety. It takes a lot of money and years to make this happen. However, I thought that if we could realize it, our lives would be better.

Source

: 「Quantum science and Technology Research and Development organization pamphlet」

「3ER materials」



Hiroaki Minami High school

14HR Group 8

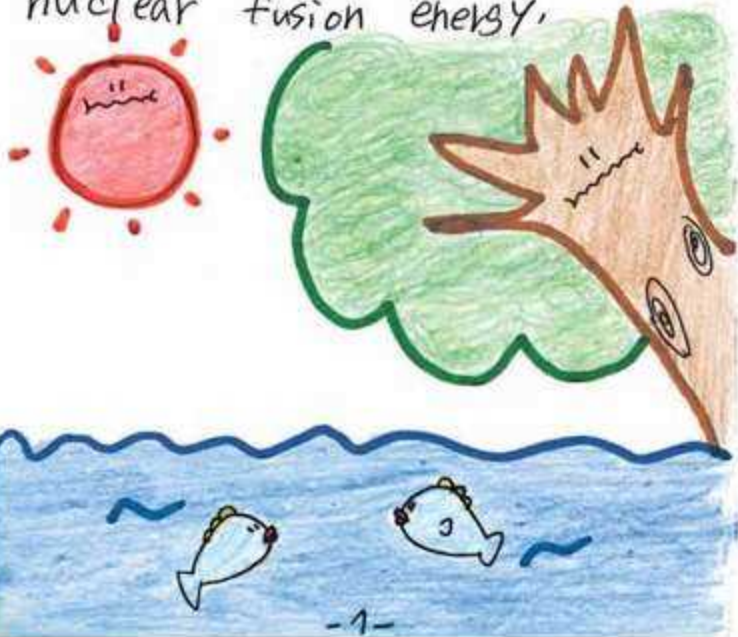


Motive

When we heard of fusion energy, we became interested and checked what kind of energy.

Purpose

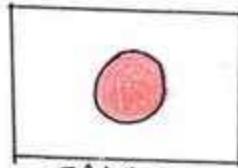
Check the merit and the demerit of the fusion energy society. We will have many people know about nuclear fusion energy.



About ITER Plan

The ITER plan is a research and development activity pushed forward by international collaboration for practical use of the nuclear fusion energy.

Joining Countries



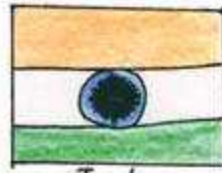
JAPAN



KOREA



China



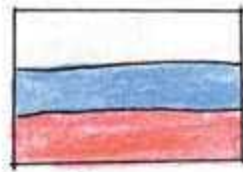
India



America

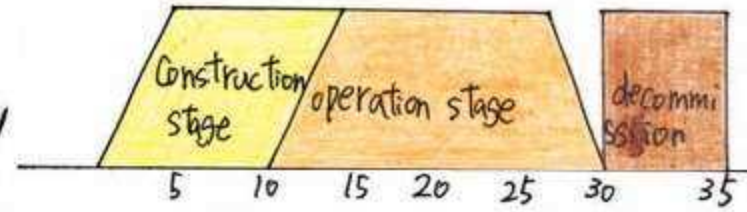


Europe



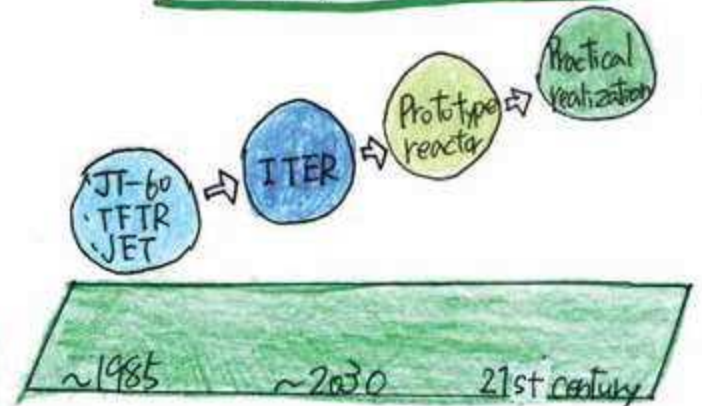
Russian

ITER schedule



The ITER is a long-term research project for 35 years.

Development Step



After the prototype reactor stage, that is a development step. We aim at getting an estimate of the practical use of the nuclear fusion energy by the middle in this century.