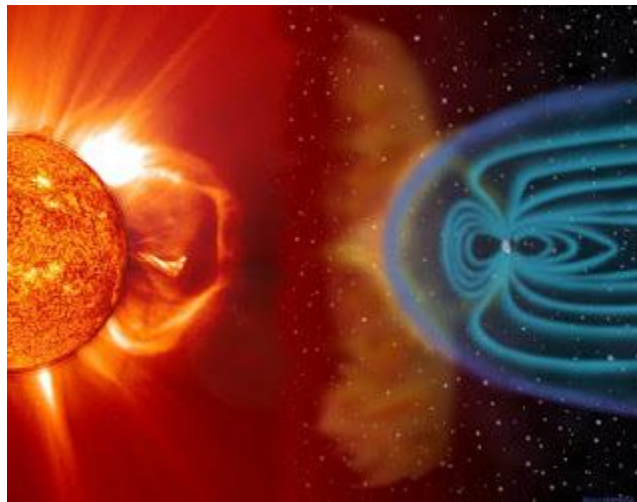


MAGNETIC CORE

Magnetic core is shown that **without magnetic core , high-energy radiation (known as solar winds) would sweep the atmosphere , dragging it off the ground,** as they had created. **Without the magnetic shield of the Earth (magnetosphere), life in it would not be possible,** and our planet would have become another similar to Mars (planet in the past had plenty of water on its surface), which has a very weak magnetic core.



The core of the Earth is a curious geomagnetic dynamo , is believed composed mainly of iron and nickel and other heavier metals, comprising an outer liquid layer, and a solid core rotates slightly faster than Earth. This is induced by the movements having liquid conductive materials.

Fact: The core is cooling slowly and progressively (it's a big atomic boiler that keeps its heat due to the radioactive decay of elements , especially those isotopes radioactive than uranium (U), thorium (Th) and potassium (K)), and it is possible that when cool, magnetism set aside, the protection afforded us disappear, leaving the Earth exposed to external radiation, abocándola to a slow death without remedy.

Do not forget that **for the generation of heat inside the earth are very important radioactive elements** such as uranium 235, 238, 232 thorium and potassium 40, which should be present on the planet studied, so that the heat core is maintained sufficient for the development of the life time. Radioactive elements are the most unstable of the periodic table and the disintegration produce heat.

In addition, the star of the planet solar system must have a heliosphere ; a magnetic field strong enough to protect the planet from the intense radiation from the rest of the galaxy; it is not known for sure if all the stars have (from a certain temperature (Curie temperature) could not have heliosphere at all), although presumably occurs in the coldest section of every star. This heliosphere stretches and compresses as the solar system is orbiting the galaxy.

Source: <http://crecimiento-sostenible.blogspot.in/2015/01/can-there-be-life-on-other-planets.html>