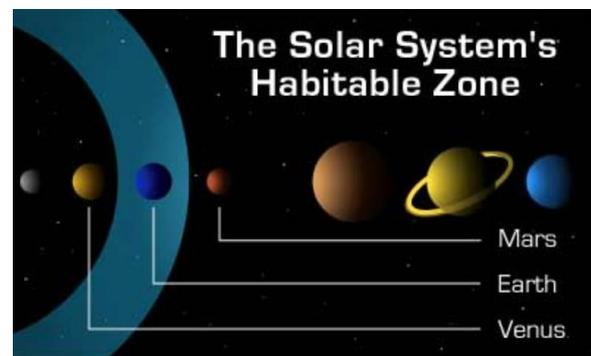


## Marine and earth science

We are mainly learning about the earth and the sea. The basis of the major are physics, chemistry, biology and earth science. The basis of what we learn are oceanography and earth science. Until now, we learn many things. This time the main topic is the earth. We will show what we each learned.

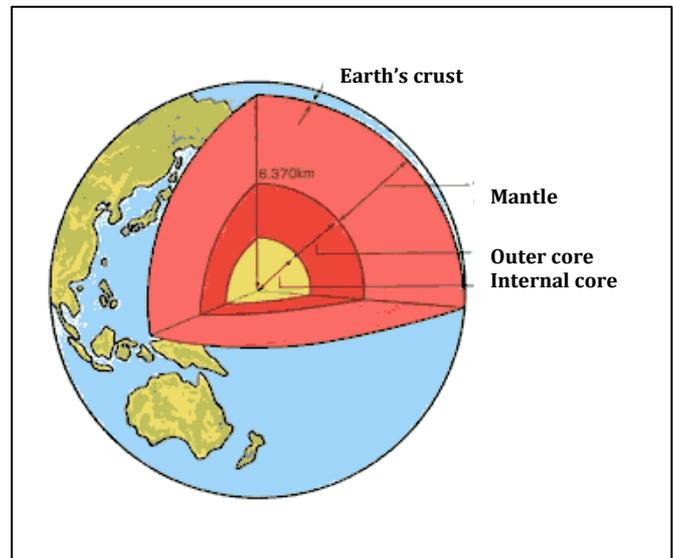
We learned the difference between the Earth and Mars. The difference is environment. We live on the Earth but it is difficult to live on Mars. We need water to live, but Mars doesn't have water. There are some reasons. For example, Mars is far away from the Sun, so it doesn't have water. However, the Earth's position is very good, so we call it the Habitable Zone. The results were an ideal environment. The reason we can live on the earth is a series of coincidences. It is a miracle.



[https://www.rikanenpyo.jp/FAQ/tenmon/faq\\_ten\\_003.html](https://www.rikanenpyo.jp/FAQ/tenmon/faq_ten_003.html)

Yamaguchi Hiroki  
Yuto Hamasaki  
Kaito Suzuki

We learned about the Earth. The equatorial radius of the Earth is about 6,400 km and the distance around the Earth is about 40,000 km. The internal structure of the Earth consists of the Earth's crust, mantle, outer core and internal core. The thickness of the Earth's crust is about 60 km, the mantle is about 2,900 km, the outer core is about 2,000 km and the internal core is about 1,300 km. The mantle's temperature is about 2,000 °C, the outer core's temperature is about 4,000 °C and the internal core's temperature is about 5,500 °C.



<https://ameblo.jp/skygalaxy/entry-10435989310.html>

We will introduce the Earth and planets around Earth. The Earth is one of the planets of the solar system. The planets of the solar system are divided into terrestrial planets and Jovian planets. Mercury, Venus, Earth and Mars are terrestrial planets. Jupiter, Saturn, Uranus and Neptune are Jovian planets. There are various differences. For example, size, density, component materials, and so on.

