Though Mars is one of the most earthly planets in the solar system. But there are many significant differences between Mars and Earth in fact. I would like to introduce some differences between Mars and Earth.

Of course, Mars has atmosphere like the Earth. Nevertheless, the atmosphere of Mars is much thinner than Earth so that it allows sunlight to reach the surface and create daily and seasonal temperature variations. In that, the climate and temperature varies from those on the Earth.

Secondly, Mars has a diverse topography that includes the highest mountain and the deepest canyon in the solar system, as well as ancient river valleys and lake basins. This is very similar to Earth. But a diverse topography may lead to inconvenient transportation.

Thirdly, Mars has a complex geologic history that involves volcanism, tectonism, erosion, sedimentation, impact cratering and polar processes. The geological diversity of Mars may provide different resources and environments, such as water, minerals, energy, and potential habitats for life. Additionally, it is dangerous to live on a planet which is covered with complex geological activities.

From my own perspective, it is necessary for humans to do space explorations. Human exploration of space can promote the development and innovation of technology. Also, space explorations can expand human living space. Not only Mars but also other planet such as moon even other farther planet would potentially become a planet for humans to live in the future.