

## **Geochemistry education in the department of chemistry, University of Tokyo**

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I am teaching a geochemistry course in the chemistry department, graduate school of science, the university of Tokyo. The audience is mainly Japanese and approximately 10% of students are from foreign countries. The content of my lecture is as follows.

What is geochemistry?

Abundance of the elements

Synthesis of the elements (origin of elements)

Structure and chemical composition of the earth

Geochemical classification of the elements

Radio activity and isotope geochronology

Isotope fractionation

Evolution and formation of atmosphere and ocean

Global recycling of materials

Chemical oceanography

Global warming and global carbon cycle

Final Examination

Professor Takafumi Hirata who is just arriving on our institute in March will join the lecture.