

# STEM JOBS

# GEOLOGIST



## What Is Geology?



Geology is all about studying the Earth. It focuses on Earth's physical features in the past, present and sometimes into the future. Geology is a type of science that can help us in many ways. Some examples of these are:

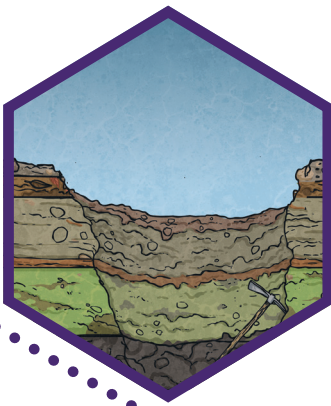
- Predicting natural disasters, such as earthquakes and volcanic activity.
- Finding important materials in the Earth's surface, such as oil and gas.
- Understanding how our land changes and moves, for example, studying erosion and topography.

## Types of Geologists

Geologists can focus on many different disciplines within the geological sciences. Each geologist has special responsibilities. Here are some of the job titles geologists may have and their areas of expertise.

- **Environmental geologist:** Tries to find ways to prevent or lessen the effects of natural disasters, such as flooding, bushfire, climate change and more.
- **Planetary geologist:** Studies the geology of other planets and celestial bodies.
- **Geomorphologist:** Studies landforms, water and ice systems and their effects.
- **Geophysicist:** Uses special tools, like magnets and electricity, to study the internal features of Earth.
- **Palaeontologist:** Studies fossils from long ago to reveal information about the history of the Earth.

These are just some of the types of jobs that geologists do.

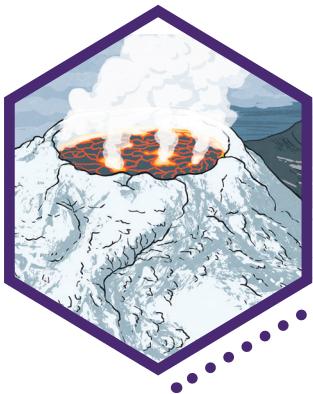
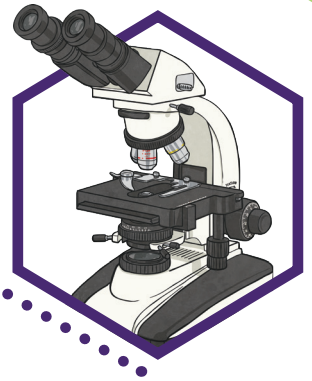


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## Becoming a Geologist



People who are interested in becoming geologists need to have certain skills and undertake specific studies. Geologists are usually great at solving complex problems and have a logical way of thinking. They also need to enjoy both working outdoors and within a lab. To become a geologist you need to go to university to earn a relevant degree. Some of the subjects geologists need to study include biology, physics, chemistry, mathematics and computer science. So if you are interested in a career as a geologist, these are great subjects to think about studying.



## Want to Know More?

If this job sounds interesting to you, have a look at some of these great geological resources to learn more:



[Volcanoes Science Board Game](#)



[Rockin' Earth Web Quest](#)



[Fossils Interactive Reading Comprehension](#)

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## COMPREHENSION QUESTIONS

1. Geology is the study of:

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2. Write down two ways geology can help us.

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3. Which type of geologist specialises in studying space matter?

- a. geophysicist
- b. palaeontologist
- c. geomorphologist
- d. planetary geologist

4. Environmental geologists can help us to understand natural disasters.

- a. true
- b. false

5. What does a palaeontologist do?

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# STEM JOBS

## GEOLOGIST COMPREHENSION QUESTIONS

6. List down two skills people need to become a geologist.

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7. What subjects should you study if you want to become a geologist?

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8. Geologists spend all of their time working outdoors.

- a. true
- b. false