**Algerian Republic**

**Democratic and Popular**

**University of Batna 2.**

**Department of Geology.**

Level : 3rd Year.

Branches of earth science

Earth is a large and complicated place. How do scientists study it? The answer is that no one scientist studies all parts of Earth. Instead, different scientists study different parts of the planet. The study of different parts of Earth is called Earth science. There are many different branches, or types, of Earth science.

**Geology**

Geology is one branch of Earth science. Geology is the study of the origin, history, and structure of Earth. It also includes the study of the processes that shape Earth. A scientist who studies geology is called a geologist. In most cases, a geologist studies one specific part of the Earth. For example, volcanologists study volcanoes. Seismologists study earthquakes. Paleontologists study the history of life on Earth

**Oceanography**

Another branch of Earth science is oceanography.

Oceanography is the study of the sea. Scientists who study oceanography are called oceanographers. Like geologists, oceanographers may focus on certain areas of oceanography. For example, biological oceanographers study the living things in the oceans. Chemical oceanographers study the amounts of different chemicals in ocean water.

**Meteorology**

Meteorology is a branch of Earth science that deals with Earth’s atmosphere, especially weather and climate. Scientists who study meteorology are called meteorologists. Many meteorologists try to forecast, or predict, the weather. In most cases, weather forecasts help to make our lives more comfortable. Sometimes, meteorologists can help save people’s lives by predicting severe weather, such as hurricanes and tornadoes. These predictions can warn people to leave an area before severe weather strikes.

**Astronomy**

Astronomy is the study of the universe. Astronomers are scientists who study stars, asteroids, planets, and other objects in space. Most objects in space are very far away. Therefore, astronomers depend on technology to help them study these objects. For example, astronomers may use telescopes to study distant stars and planets. You may wonder why astronomy is a branch of Earth science if astronomers study objects far from the Earth. The reason is that many astronomers use information about other planets and stars to learn more about the Earth. For example, some astronomers study ancient stars in the universe. The information they gather can help them to predict how changes in our sun may affect the Earth.

**Test :** Say whether the sentences are true or false.

1. There are four main types of Earth science among them Tectonic.

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1. Geology is the study of the origin, history and relationship of Earth with the Universe.

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1. Meteorologists in most times try to inform us about the weather only.

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1. Paleontology studies the history of life on Earth.

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1. Geology is the study of processes that shape Earth.

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1. Astronomy deals with atmosphere.

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1. Astronomers depend on technology to help them study the most objects in space.

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1. Geology is a branch of Universe science.

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1. Biological oceanographers study the different chemicals in ocean water.

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1. Astronomy is a branch of Earth Science because astronomers use information about other planets and stars to learn more about the Earth.

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Best of luck.