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a geologist is a scientist who studies the solid liquid and gaseous matter that constitutes earth and other terrestrial planets as well as the processes that shape them geologists usually study geology earth science or geophysics although backgrounds in physics chemistry biology and other sciences are also useful florence bascom 1862 1945 american geologist and first female hired by the usgs expert in petrography and mineralogy who focused on the crystalline rocks of the united states piedmont marie tharp 1920 2006 american geologist and oceanographic cartographer who discovered mid ocean ridges geology the fields of study concerned with the solid earth included are sciences such as mineralogy geodesy and stratigraphy geology also explores geologic history which provides a conceptual framework and overview of earth s evolution a geologist is a contributor to the science of geology geologists are also known as earth scientists or geoscientists the following is a list of notable geologists here s our alphabetical list of the most popular geologists paleontologists geographers or scientists who made significant contribution to these fields on the famous scientists website luis alvarez 1911 1988 scientists apply different methods to the geologic record with the goal of better understanding and quantifying ancient earth s temperatures a geologist studies the earth its history and the processes that shape and change it geology is a broad field that encompasses the study of rocks minerals fossils mountains volcanoes earthquakes rivers oceans glaciers and more geologists are scientists who study the earth its history nature materials and processes there are many types of geologists environmental geologists who study human impact on the earth system and economic geologists who explore for and develop earth s resources are just two examples geologic history of earth evolution of the continents oceans atmosphere and biosphere the layers of rock at earth s surface contain evidence of the evolutionary processes undergone by these components of the terrestrial environment during the times at which each layer was formed geologists study fossils to understand ancient animals and environments and go to extreme environments to understand how life might have originated on earth some geologists help nasa understand the data they receive from objects in space geology com is one of the world s leading portals to geology and earth science news and information for rocks minerals gemstones energy volcanoes earthquakes careers geologic hazards and more geologists conduct studies that locate rocks that contain important metals plan the mines that produce them and the methods used to remove the metals from the rocks they do similar work to locate and produce oil natural gas and groundwater scientists have calculated the age of our planet to be approximately 4 5 billion years but how did scientists determine that age the answer is complicated it involves everything from observation to complicated mathematics to understanding the elements that make up our planet identify and use scientific processes and the scientific methods as used by geologists and with other related scientific disciplines list tools and concepts commonly used by geologists geology is the study of the solid earth geologists study how rocks and minerals form the way mountains rise up is part of geology geology is the scientific study of the earth its composition structure processes and history it is a broad field that encompasses a wide range of topics related to the earth s physical and chemical properties its formation and the changes it has undergone over millions of years scientists began to describe and map rock formations and classify fossils geologists discovered that rock layers were the product of long periods of sediment buildup rather than the result of single events or catastrophes geoscientists and earth scientists do things that geologists of the past never contemplated earth scientists help oversee the remediation of polluted sites they study the causes and effects of climate change there are many geoscientists from past to present these people have made great contributions to today s modern geology contents georgius agricola nicolaus steno abraham gottlob werner what was james hutton s contribution to geology john playfair james hall louis agassiz what was james dwight dana s contribution to geology this list of important geologists ranges

includes charles lyell charles darwin james hutton and more these geology scholars and scientists have all influenced our knowledge of earth science and the study of rocks geologists commonly use radiometric dating methods based on the natural radioactive decay of certain elements such as potassium and carbon as reliable clocks to date ancient events

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a geologist is a scientist who studies the solid liquid and gaseous matter that constitutes earth and other terrestrial planets as well as the processes that shape them geologists usually study geology earth science or geophysics although backgrounds in physics chemistry biology and other sciences are also useful

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florence bascom 1862 1945 american geologist and first female hired by the usgs expert in petrography and mineralogy who focused on the crystalline rocks of the united states piedmont marie tharp 1920 2006 american geologist and oceanographic cartographer who discovered mid ocean ridges

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geology the fields of study concerned with the solid earth included are sciences such as mineralogy geodesy and stratigraphy geology also explores geologic history which provides a conceptual framework and overview of earth s evolution

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a geologist is a contributor to the science of geology geologists are also known as earth scientists or geoscientists the following is a list of notable geologists

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here s our alphabetical list of the most popular geologists paleontologists geographers or scientists who made significant contribution to these fields on the famous scientists website luis alvarez 1911 1988

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scientists apply different methods to the geologic record with the goal of better understanding and quantifying ancient earth s temperatures

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a geologist studies the earth its history and the processes that shape and change it geology is a broad field that encompasses the study of rocks minerals fossils mountains volcanoes earthquakes rivers oceans glaciers and more

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geologists are scientists who study the earth its history nature materials and processes there are many types of geologists environmental geologists who study human impact on the earth system and

economic geologists who explore for and develop earth's resources are just two examples

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geologic history of earth evolution of the continents oceans atmosphere and biosphere the layers of rock at earth's surface contain evidence of the evolutionary processes undergone by these components of the terrestrial environment during the times at which each layer was formed

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geologists study fossils to understand ancient animals and environments and go to extreme environments to understand how life might have originated on earth some geologists help nasa understand the data they receive from objects in space

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geologists conduct studies that locate rocks that contain important metals plan the mines that produce them and the methods used to remove the metals from the rocks they do similar work to locate and produce oil natural gas and groundwater

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scientists have calculated the age of our planet to be approximately 4.5 billion years but how did scientists determine that age the answer is complicated it involves everything from observation to complicated mathematics to understanding the elements that make up our planet

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identify and use scientific processes and the scientific methods as used by geologists and with other related scientific disciplines list tools and concepts commonly used by geologists geology is the study of the solid earth geologists study how rocks and minerals form the way mountains rise up is part of geology

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geology is the scientific study of the earth its composition structure processes and history it is a broad field that encompasses a wide range of topics related to the earth's physical and chemical properties its formation and the changes it has undergone over millions of years

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scientists began to describe and map rock formations and classify fossils geologists discovered that rock layers were the product of long periods of sediment buildup rather than the result of single events or catastrophes

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there are many geoscientists from past to present these people have made great contributions to today s modern geology contents georgius agricola nicolaus steno abraham gottlob werner what was james hutton s contribution to geology john playfair james hall louis agassiz what was james dwight dana s contribution to geology

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