

VOLCANOLOGISTS

ENGLISH 2

WHO IS A VOLCANOLOGIST?

STUDIES THE PROCESS OF THE FORMATION AND ERUPTIVE ACTIVITY OF VOLCANOES

COLLECT ERUPTIVE PRODUCTS; ASH, ROCK AND LAVA SAMPLES

PREDICT THE ERUPTIONS

THE HISTORY

BEGAN WITH THE DESCRIPTION
OF THE ERUPTION OF VESUVIUS
(BY PLINY THE YOUNGER) IN AD
79

DESCRIBED THE EARTHQUAKES
BEFORE THE ERUPTION, EFFECTS
OF THE ERUPTION ON PEOPLE



TYPES OF VOLCANOLOGISTS

GEOLOGISTS →

STUDY LAYERS OF VOLCANOES AND DERIVE INFORMATION ON WHAT VOLCANO HAS DONE IN THE PAST AND WHAT MIGHT DO IN THE FUTURE

GEOCHEMISTS →

STUDY THE GASSES EMITTED FROM VOLCANOES AND DERIVE INFORMATION ABOUT THE MAGMA AND POSSIBILITIES OF ERUPTION

GEODISISTS →

INVESTIGATE THE MOVEMENT OF VOLCANOES AND DETERMINE WHETHER THE MAGMA IS GROWING OR NOT

PETROLOGISTS →

LOOK AT THE MINERALS AND GEOCHEMICAL COMPOSITION OF THE ROCK FROM VOLCANOES TO DETERMINE THE CONDITION, PRESSURE AND TEMPERATURE OF THE MAGMA

WHAT DO VOLCANOLOGISTS WEAR WHEN WORKING ON VOLCANOES?

A PAIR OF HEAVY BOOTS, JEANS, HAT, LONG – SLEEVED SHIRT

HEAVY WORK GLOVES → IF THEY WORK ON FRESH LAVA

ROCK CLIMBING HELMET → IF THE WORK IN AN AREA WHERE THERE IS A LOT OF ROCK FALL

CARRY GAS MASK → WHERE THERE IS A LOT OF VOLCANIC GAS

SILVER-HEAT RESISTANT SUITS ARE USED VERY RARELY

TOOLS THEY USE

SEISMOMETERS →

TO MEASURE EARTHQUAKES FROM THE VOLCANO

GPS, SATELLITE IMAGERY →

TO MEASURE THE MOVEMENT OF VOLCANOES

INFRARED CAMERAS →

MEASURE THE HEAT OF LAVA FLOWS

STEEL ROCK HAMMER →

USED BOTH TO CHIP AWAY AT ROCK AND GATHER SAMPLES OF LAVA





IS IT DANGEROUS?

YES, BUT LESS THAN IN THE MOVIES

SAFETY PRECAUTIONS ARE DONE

SOME ACCIDENTS MIGHT HAPPEN BUT RARELY

HOW MUCH MONEY DO THEY MAKE?

DEPENDS ON THE LEVEL OF EDUCATION,
LOCATION, COUNTRY

RANGE FROM 30,000 TO 90,000 DOLLARS
IN A YEAR

FEW ACTIVE VOLCANOES

EYJAFJALLAJÖKULL, ICELAND

ERUPTED IN 2010; CAUSED
ENORMOUS PROBLEMS TO
PLANES



MOUNT VESUVIUS, ITALY

9 KM FROM NAPLES,
MOST DENSELY POPULATE VOLCANIC REGION
BURIED CITY OF POMPEII
LAST ERUPTED IN 1944



SAKURAJIMA, JAPAN

ACTIVE VOLCANO,

ACTIVITY STILL CONTINUES

DROPPING LARGE AMOUNT OF
VOLCANIC ASH ON THE SURROUNDINGS



MOUNT MERAPI, INDONESIA

CALLED "FIRE MOUNTAIN" IN ENGLISH
MOST ACTIVE VOLCANO IN
INDONESIA

HAS ERUPTED REGULARLY SINCE THE
15TH CENTURY



QUESTIONS

WHO IS A VOLCANOLOGIST?

WHAT DO VOLCANOLOGISTS DO?

WHAT DO GEOLOGISTS DO?

NAME AT LEAST 3 TYPES OF VOLCANOLOGISTS!

WHAT DOES A VOLCANOLOGIST WEAR WHEN WORKING ON VOLCANOES?

NAME AT LEAST 4 TOOLS THAT A VOLCANOLOGIST USES!

WHAT IS A SEISMOMETER?

A large orange circle with a thin white border is centered on a dark blue background with a fine white dot pattern. Inside the circle, the text "THANK YOU FOR YOUR ATTENTION AND GOOD LUCK!" is written in white, bold, uppercase letters, arranged in five lines.

**THANK YOU
FOR YOUR
ATTENTION
AND GOOD
LUCK!**