

How the Earth age was discovered?

- 1) By radioactivity
- 2) By satellite

What is a volcano?

- 1) A structure made up of lava storage and other material
- 2) A creep of the Earth

How an earthquake born?

- 1) Due to sudden energy liberation
- 2) Because, do to the anthropic load, the rocks break

The plot of the film "2012" develops in 4 years?

- 1) Yes from 2009 to 2012
- 2) No, only talks about events that start in 2012

The sun will never shine?

- 1) Yes, when its life cycle ends
- 2) No because it is an inexhaustible source

How the shield volcano is formed?

- 1) For the deposition of very fluid lava repeated over time
- 2) Due to the erosion of a previous volcanic structure

What is the name where the earthquake is generated?

- 1) Hypocenter
- 2) Epicenter

In the movie "2012" solar storm with neutrins emission will cause liquefaction of the mantle with consequent earthquakes?

- 1) Yes
- 2) No

Why the sky is blue?

- 1) Due to the interaction between electromagnetic waves with atmospheric gases
- 2) Due to the vapour

What is Marsili?

- 1) A submarine volcano
- 2) Extinguished volcano

What does tsunami means?

- 1) Port wave
- 2) Abnormal wave

In the movie "Journey to the Earth center" the protagonist refers to the Jules Verne book?

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How natural selection occurs?

- 1) Through changes
- 2) Casually

Marsili volcano is longer or shorter than 70 Km?

- 1) Longer than 70 Km
- 2) Less than 70 Km

The tsunami can have waves higher than 20 m?

- 1) Yes
- 2) No

In the movie "Journey to the Earth center" the volcanologist is looking for his colleague: how?

- 1) Going down to the deep earth populated by dinosaurs and sea monsters
- 2) Ascending of an erupting volcano

How rainbows are formed?

- 1) Due to the light refraction
- 2) Because their light wavelength combine each other

Marsili volcano can generate a tsunami?

- 1) Yes, even if we don't know exactly its power
- 2) Noway

The tsunami can be generated by meteoritic impact?

- 1) Yes
- 2) No

When was projected the movie "The quake, the earthquake of the Century"?

- 1) 2018
- 2) 2015

How rainbows are formed?

- 1) Due to the light refraction
- 2) Because their light wavelength combine each other

Where a volcanic arc is formed?

- 1) Subduction zones
- 2) Along collisional plate margins

How are defined the up and down movement of the crust?

- 1) Yes
- 2) No

In which city the movie "The quake, the earthquake of the Century" is set?

- 1) Oslo
- 2) Los angeles

How clouds are formed?

- 1) Because warm air meets cold air forming vapor
- 2) For the accumulation of smog which condenses the air

What is the deeper layer of the oceanic bottom?

- 1) Peridotites
- 2) Pillow basalt

What is the Mercalli-Cancani-Sieberg scale?

- 1) The intensity of an earthquake through the damages caused
- 2) The energy released during an earthquake

In the movie "Vulcano, Los Angeles 1997" what we are talking about?

- 1) Of an underground volcano that explodes
- 2) Of a very violent volcanic eruption

Why in the morning the sea is flat?

- 1) Because the atmospheric temperature is low
- 2) Because the solar inclination is high

What is a hot spot?

- 1) A strange point from where the mantle rise up
- 2) A point where the crust is melted

Which kind of seismic wave does not propagate in the fluids?

- 1) Swaves
- 2) P waves

In the movie "Vulcano, Los Angeles 1997", who guide the aid?

- 1) A Civil Protection officer along with a volcanologist
- 2) A volcanologist





Why the sea and the oceans are salty?

- 1) Because the rivers arriving at the sea erodes the rocks that are minerals rich
- 2) Because the fishes breathing makes the salt concentration in the sea



A volcano is formed by a single cone?

- 1) No, it can be made by more than one cone. Only one the major, the others are secondary
- 2) Yes, it is formed only by one cone



There is only one type of fault?

- 1) No, different type of fault can exist, depend on the movement
- 2) There is only one type of fault that generate an earthquake



Why the movie "Volcano, Los Angeles 1997" is not believable?

- 1) Because there is a fault and cannot rise up the magma at the same time
- 2) Because there are not underground lava flow



Why the temperature at the poles is higher than at the equator?

- 1) Because the solar rays are oblique and the radiation is dispersed
- 2) Because the sun is more distant than at the equator



How are classified the products of an explosive eruption?

- 1) On the basis of the size of the erupted products
- 2) On the basis of the composition of the erupted products



There are only P and S waves or there are other types of seismic waves?

- 1) There are also surface waves (R and L)
- 2) P and S are the only seismic waves known



In the movie "Earthquake 10.0", what the protagonist are doing?

- 1) Try to move the city center
- 2) Try to evacuate the city



How much is the mass of the Earth?

- 1) 5.972×10^{24} Kg
- 2) 14×10^{23} Kg



What is the magma?

- 1) Melted rock with dissolved gas and fenocrystals
- 2) Melted rock



Who is the holy protector from the earthquake on the Catholic religion?

- 1) Saint Emidio
- 2) Saint Gennaro



In the movie "Earthquake 10.0" what is discovered by the seismologist Emily?

- 1) That a series of drill are about to cause an unprecedented earthquake
- 2) That a large fault is about to provoke an unequal earthquake



Which is the mean temperature of the Earth surface?

- 1) 14 °C
- 2) 11 °C



What is a supervulcano?

- 1) Depression of volcanic origin
- 2) A huge volcano



Is there any difference between seismic risk and danger?

- 1) Yes, the risk include the danger and the probability that an earthquake happens
- 2) No, they are the same



In the movie "The infernal meteorite" what the geologist discover?

- 1) That meteorite in contact with water increases its dimension
- 2) That radioactive meteorite makes people sick



How long it takes the sun light to reach the Earth?

- 1) Almost 8 minutes
- 2) Almost 16 minutes



Pelean and Plinian eruption indicate the same type of eruption?

- 1) Yes, the Pelean is a variation of the Plinian
- 2) No, they are completely different



Which earthquake caused most victims: Haiti 2010 or Sumatra 2004?

- 1) Haiti 2010



In the movie "The infernal meteorite" what stop the meteorite growth?

- 1) A saline solution
- 2) A pneumatic hammer that breaks it



Which is the predomining environment of the Earth?

- 1) Ocean
- 2) Desert



How many type of eruption does exist?

- 1) 8
- 2) 6



The type of soil affect the damage caused by an earthquake?

- 1) Yes, it is proportional to the interested soil
- 2) No, is independent of the soil



In the movie "10.5 Apocalypse" the earthquake what generate?

- 1) A tsunami
- 2) A volcanic eruption



How many meters per second the Earth is turning on itself to the equator?

- 1) 463
- 2) 363



What are geyser?

- 1) Hot water fountains
- 2) Hot water lakes



Strong earthquakes may provoke the displacement of the geographical North Pole?

- 1) Yes, even of some cm
- 2) No, in the most absolute way



In the movie "10.5 Apocalypse" what Samantha theories?

- 1) The booster of the tectonic plates
- 2) The maximum spacing of tectonic plates



At how many Km of height is the ionosphere?

- 1) Over 200 Km
- 2) Under 200 Km



What are mud volcanoes?

- 1) Small mud hills
- 2) Mountains build of sand



What speed can a tsunami reach?

- 1) 500 - 1000 Km/h
- 2) 100 - 400 Km/h



What is the plot of the "Unknown word" movie?

- 1) That the increase of nuclear energy will lead to the extinction of the human species
- 2) The discover of mantle



Why the tides happen?

- 1) Due to the moon's attraction
- 2) Because sun draws water to him



What are boraciferi shower heads?

- 1) Violent gas eruptions
- 2) Violent water eruptions



What is the theory of elastic booster?

- 1) A geophysical model that explains the dynamics of earthquake
- 2) A satellite model that explains the dynamic of earthquakes



What does the geologist in "Unknown word" movie?

- 1) Look for a cavity in the Earth where to bring the human species to preserve
- 2) Build a great bunker



Why the tides happen?

- 1) Due to the moon's attraction
- 2) Because sun draws water to him

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Does seismology include more disciplines?

- 1) Yes, almost 12
- 2) No, only seismology

What happens in "Eruption LA" movie?

- 1) Volcanoes begin to appear and erupt in LA
- 2) A director invent a catastrophic history

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What year is "Eruption LA" movie?

- 1) 2018
- 2) 2006

The rocks show magnetic susceptibility?

- 1) Yes, it depends on the minerals that contain
- 2) No, they do not present any magnetic susceptibility

Is there any relation between volcanoes and the presence of radon?

- 1) Yes, volcanic products are rich in radon
- 2) There is no relationship between the two things

The wave speed depends on the ground that crosses?

- 1) Yes
- 2) No

What scientists build in "The night the world exploded" movie?

- 1) A machine to predict earthquake
- 2) A machine to study the center of the Earth

Of how many layers is composed the atmosphere?

- 1) Five layers (troposphere, stratosphere, mesosphere, thermosphere and exosphere)
- 2) 3 layers

Eolo, Anarete and Sisifo are three submarine volcanoes?

- 1) Yes, they are
- 2) No, they don't exist

The boundaries between the plates assume different names according to their movement?

- 1) Yes
- 2) No

What scientist find in "The night the world exploded" movie?

- 1) That a strange mineral left from water is the cause of earthquake
- 2) That a strange mineral in contact with water causes earthquakes

In which hemisphere occur the aurora phenomenon?

- 1) Both hemispheres
- 2) Only in the northern hemisphere

Volcanic eruption may reduce the ozone hole?

- 1) Yes, because erupting a volcano emits particles like chlorine that reduces it
- 2) There is no correlation between eruptions and ozone hole

The convective motion is the cause of plate tectonics?

- 1) Yes, the heat movements of the mantle cause the movement of the plates
- 2) No, there is no relationship between convective motions and plate tectonics

What happens in "Kakatoa, East of Giava" movie?

- 1) XIX Century
- 2) 2000

Is the decrease of atmospheric pressure with altitude constant?

- 1) No, because of its compressibility
- 2) Yes, because of its incompressibility

Does "withoutname" volcano exist?

- 1) Yes, it is at east of Pantelleria
- 2) Do not exist any type of volcano "withoutname"

The Richter Scale is measured on a logarithmic or decimal basis?

- 1) Logarithmic
- 2) Decimal

In which period is the movie "Kakatoa, East of Java"?

- 1) A group of dutch golden searchers are invested by a volcanic eruption
- 2) A group of volcanologists studying the volcano are invested by its eruption

Atmospheric pressure depends on humidity?

- 1) Yes, increasing humidity, the atmospheric pressure decreases
- 2) No, atmospheric pressure doesn't depend on humidity

What leads the magma ascent?

- 1) Magma is fluid, therefore less dense than the rocks in which is contained
- 2) Earthquakes move magma up

What is epicenter?

- 1) A point of terrestrial surface placed exactly above the hypocenter
- 2) Any point on the crust

In the "The core" movie what happens to the Earth?

- 1) Due to the change in temperature, the Earth cuts its rotation
- 2) Due to the temperature change the Earth melts

What do we mean by the term environment?

- 1) Everything with which a living comes into contact and influences the life cycle
- 2) The Earth

What is a caldera?

- 1) The underground of the walls of a volcano
- 2) The plug of the volcano

By analysing a seismogram it is possible to understand if it is a seismic or anthropic event?

- 1) Yes
- 2) No

What scientists are doing in "The core" movie?

- 1) They bring a bomb in the center of the Earth to resume its rotation
- 2) Bring a heat source to the center of the Earth to resume its rotation

How many layers the Earth is made of?

- 1) 5
- 2) 3

How many types of eruptions exist?

- 1) Two, effusive and explosive
- 2) Depends on product erupted by the volcano

What is the seismic source?

- 1) What generated the earthquake (sima S.S., landslide, burning etc.)
- 2) Hypocenter of the earthquake

What happens in "The wave" movie?

- 1) A tsunami caused by a landslide
- 2) Tsunami made by a meteorite





What are the cartographic screening?

- 1) Transformation of geographical coordinates into cartesian coordinates
- 2) World map projection on a plan



How we classified the eruptions?

- 1) On the basis of the erupted products
- 2) On the basis of where it occurs



In italian the word earthquake where does it come from?

- 1) From Latin
- 2) From Greek



In which city the tsunami of "The wave" movie occurs?

- 1) In Norway, at Geiranger
- 2) In a city of USA



What is a geoid?

- 1) Reference surface for determining altimetric profile
- 2) Other word to define Earth



Etna volcano is higher or lower than 3000 m?

- 1) Higher
- 2) Lower



Earthquakes can be predicted?

- 1) We can only predict the place
- 2) Yes, we can



Which year is the movie "Interstellar"?

- 1) 2014
- 2) 2003



What is a meteorite?

- 1) What remains after atmospheric ablation
- 2) A rock fluctuating in the space



What is a criovolcano?

- 1) An iced volcano
- 2) An extinct volcano



What is palaeosmology?

- 1) A branch of seismology that studies historical earthquakes
- 2) Extincted earthquakes



What happens in "Interstellar" movie?

- 1) Climate change that affect agriculture
- 2) Meteoritic rains that melt the Earth

