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# The Pro's & Con's of Volcanoes.



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# Introduction

**Hello students, we will be talking about  
Volcanoes, where you can find them, and  
if they impact or disrupt the land and  
people around them. We will also give you  
some scientific information about them,  
and a lot of resources for you to look at  
and learn from on your own.**



# 1. What is a volcano?

If you were asking National Geographic, they would say “Volcanoes are the earth's architect”. Volcanoes created 80% of the earth's surface, making it the way it is now and is the reason why it thrives. It's explosion cause mountains to form and land to shift.



# What are the Negative Effects of a Volcanic Eruption?

Dangerous gases, ash, lava, and rock that are powerfully destructive. People have died from volcanic blasts. Volcanic eruptions can result in additional threats to health, such as floods, mudslides, power outages, drinking water contamination, and wildfires.



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# What are the Positive Affects of a Volcanic Eruption?

- Geothermal energy is where heat from within the Earth is used to generate electricity. Geothermal energy can be generated in areas where magma lies close to the surface. This is good for increasing renewable energy use.
- Ash ejected by the volcano acts as a good fertiliser for soils.
- Volcanoes attract many tourists, who enjoy the dramatic scenery that they produce.
- Rising magma brings valuable minerals to the surface, creating mining opportunities.

# Average Volcanic Eruptions in the Past Few Years:

On average, about 50-70 volcanoes erupt per year . This past year , 21 new eruptions started, 18 ended , with a total of 68 volcanoes

<https://volcano.si.edu/faq/index.cfm?question=eruptionsbyyear&checkyear=2020>



# Examples of Volcanic Destruction:



# Largest Volcanos

## Maped:



75% of the world's active volcanoes are in something called the Ring of Fire. It is a 25,000 mile long horseshoe-shaped zone that goes from South America through the West Coast of North, across the Bering sea to Japan on to New Zealand.

Some of the largest volcanoes are in Japan, Iceland, Columbia, Hawaii, Mexico and Wyoming.



# Tips on a Volcano Crisis:



1. Close all windows, doors, and fireplace or wood stove dampers.
2. Turn off all fans and heating and air conditioning systems.
3. Bring pets and livestock into closed shelters.
4. Keep necessities on hand.
5. Listen for emergency alerts and do what they say.
6. Stay inside until you hear that it's safe to come out.



# Video of Volcano Eruption



# References!

<https://www.youtube.com/watch?v=N2Pvr22gTo4>

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FOR  
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