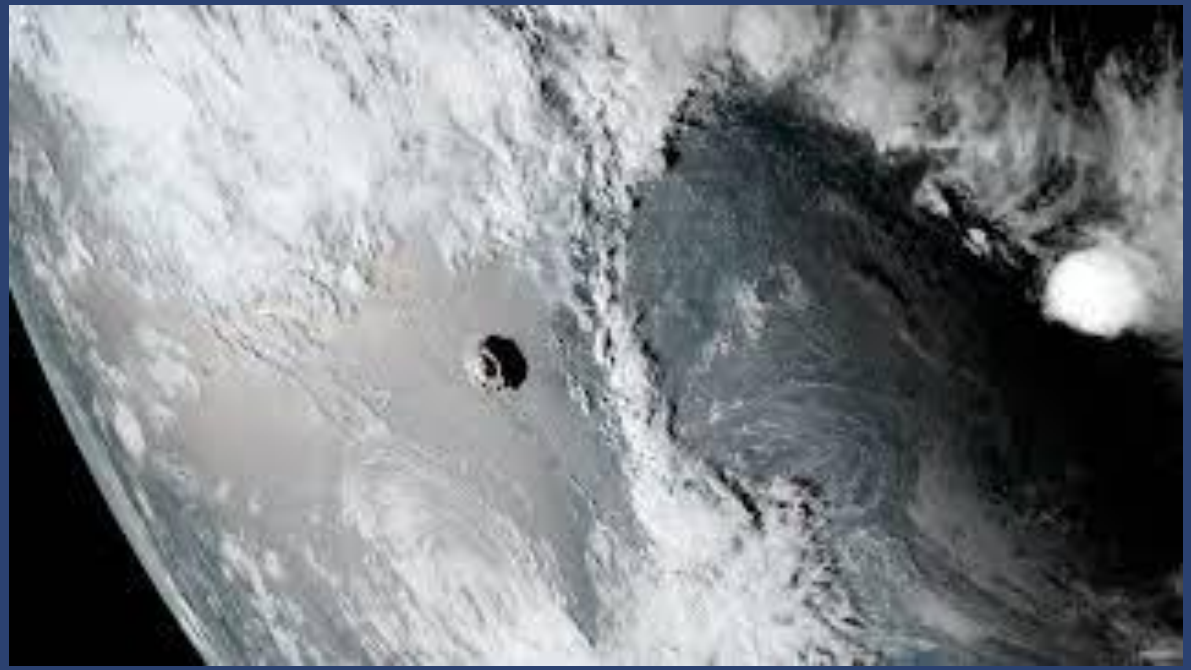


2022 Hunga Tonga Volcano and Tsunami

Webquest

NGSS Standards

MS-ESS2-2.

- Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales.
- Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions.

MS-ESS3-2.

- Analyze and interpret data on natural hazards to forecast future catastrophic events and inform the development of technologies to mitigate their effects.

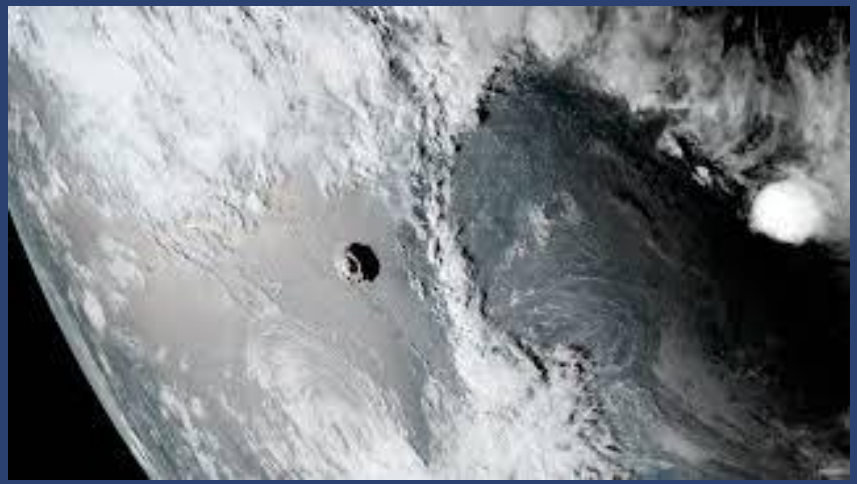
Natural Disasters



Have you or your family experienced natural disasters in the past? Answer the questions below:

- **What kind of natural disasters have you/your family experienced?**
  - **Type here**
- **What happened in the days after the natural disaster?**
  - **Type here**
- **How would you prepare for another natural disaster like this one?**
  - **Type here**

2022 Hunga Tonga Volcano



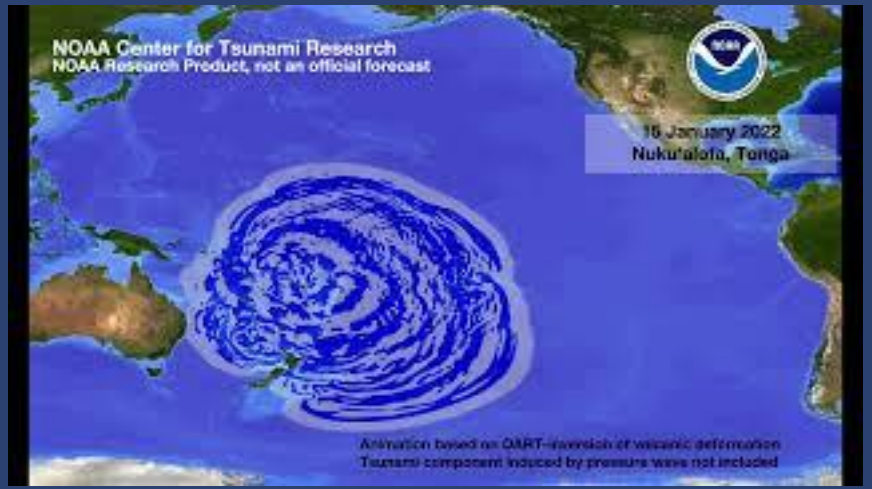
After watching the video:

- **What do you notice?**
  - **Type here**
  - **Type here**
- **What do you wonder about?**
  - **Type here**
  - **Type here**

2022 Hunga Tonga Tsunami

After watching the video:

- **What do you notice?**
  - **Type here**
  - **Type here**
- **What do you wonder about?**
  - **Type here**
  - **Type here**



2022 Hunga Tonga Volcano



After watching the video:

- **What did the Volcano trigger?**
  - **Type here**
- **How far where the shock waves felt?**
  - **Type here**
- **What are people struggling with directly after the disasters?**
  - **Type here**

2022 Hunga Tonga Volcano



After watching the video:

- **What was the force of the magnitude of the volcano?**
  - **Type here**
- **How much time passed between the eruption and the tsunami?**
  - **Type here**
- **What happened as people tried to get to higher ground?**
  - **Type here**

2022 Hunga Tonga Volcano + Tsunami

Click the image to the right to read about the tonga Earthquake and Tsunami. Then, answer the questions below.

- **How far was the eruption from the most populated island in the Kingdom of Tonga?**
  - **Type here**
- **What was the maximum tsunami height on land?**
  - **Type here**

Hunga Tonga-Hunga Ha'apai eruption triggered widespread deadly and damaging tsunami waves



Image courtesy of Dr. Shane Cronin, University of Auckland; Tonga Geological Services

Image courtesy of Dr. Shane Cronin, University of Auckland; Tonga Geological Services

2022 Hunga Tonga Volcano + Tsunami

Click the image to the right to read about the tonga Earthquake and Tsunami. Then, answer the questions below.

- **How many people passed away due to the tsunami that followed the volcanic eruption?**
  - **Type here**
- **What systems are in place to let people know when tsunamis are coming?**
  - **Type here**

Hunga Tonga-Hunga Ha'apai eruption triggered widespread deadly and damaging tsunami waves



Image courtesy of Dr. Shane Cronin, University of Auckland; Tonga Geological Services

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