Webquest: 2022 Hunga Tonga Volcano and Tsunami

- **Slide 3**
  - What kind of natural disasters have you/your family experienced?
    - Answers vary
  - What happened in the days after the natural disaster?
    - Answers vary
  - How would you prepare for another natural disaster like this one?
    - Answers vary
- **Slide 4**
  - What do you notice? (answers vary)
    - At first, the clouds were just swirling on the Earth.
    - As the sky got darker it looked like there was an explosion in the middle of the ocean.
  - What do you wonder about? (answers vary)
    - What caused the explosion?
    - How big was the volcano?
    - How tall was the explosion?
- **Slide 5**
  - What do you notice? (answers vary)
    - The Tsunami starts off the coast of Australia
    - The ripples starts pretty small, but get much biugger
    - Way more than the original region was affected.
  - What do you wonder about? (answers vary)
    - What did the Tsunami look like on the ground in Tonga?
    - How many places experienced tsunamis?
- **Slide 6**
  - What did the Volcano trigger?
    - A Tsunami
  - How far were the shock waves felt?
    - Australia and Alaska
  - What are people struggling with directly after the disasters?
    - Finding clean water and clean air; also communication lines were down
- **Slide 7**
  - Was the force of the magnitude of the volcano?
    - 5.8 (earthquake)
  - How much time passed between the eruption and the tsunami?
    - 20 minutes
  - What happened as people tried to get to higher ground?
    - Traffic jams
- **Slide 8**
  - How far was the eruption from the most populated island in the Kingdom of Tonga?
    - 65 km/40 miles

    - What was the maximum tsunami height on land?
        - 22 meters/72 feet
- **Slide 9**
    - How many people passed away due to the tsunami that followed the volcanic eruption?
        - 4
    - What systems are in place to let people know when tsunamis are coming?
        - Tsunami warning systems, which focus on earthquake-generated tsunamis. Though since this volcanic-generated tsunami, alert procedures have been adapted to also focus research on this time of tsunami event.