

# Volcanoes



## CERT Basic Training Hazards

# A Volcano...



Is a vent through which molten rock escapes to Earth's surface



FEMA

CERT Basic Training  
Unit 1: Volcanoes

V-1



# Volcano Hazards

- Toxic gases
- Lava and pyroclastic flows
- Landslides
- Earthquakes
- Explosive eruptions

# Accompanying Hazards

- Volcanic eruptions can be accompanied by other natural hazards, including:
  - Mudflows (including lahars)
  - Flash floods
  - Wildland fires
  - Tsunamis (under special conditions)
  - Earthquakes

# Volcanic Ash



- Causes severe respiratory problems
- Diminishes visibility
- Contaminates water supplies
- Causes electrical storms
- Disrupts the operation of all machinery and causes engine failure
- Collapses roofs

# Preparing for an Eruption

- Understand the risk
- Talk to your insurance agency
- Prepare disaster supply kit
- Develop evacuation plan
- Develop shelter-in-place plan

# During an Eruption

- Follow evacuation orders
- Avoid areas downwind and river valleys downstream of the volcano
- If outside, protect yourself from ashfall
- Be prepared for accompanying hazards

# After an Eruption

- Stay away from volcanic ashfall areas
- Avoid driving in heavy ashfall
- If you have a respiratory ailment, avoid contact with any amount of ash