

# Volcano

## INGREDIENTS:

- 1 cup of all-purpose flour
- 1/3 cup salt
- Water bottle
- Water
- 1/2 Tbsp. dish soap
- 2 Tbsp. baking soda
- 1 Tbsp. vinegar
- 5 drops of food coloring (optional)

## INSTRUCTIONS:

### STEP 1:

In a bowl, mix together the flour and salt, slowly adding water until a smooth dough forms.

### Step 2:

Mold the dough around the empty water bottle into a volcano shape. Allow to air dry overnight.

### Step 3:

To make your volcano erupt, mix together 4 tablespoons of water, 2 tablespoons of baking soda, food coloring, and 1 tablespoon of dish soap. Pour into your volcano. Add 2 tablespoons of vinegar to see it erupt.

### Step 4:

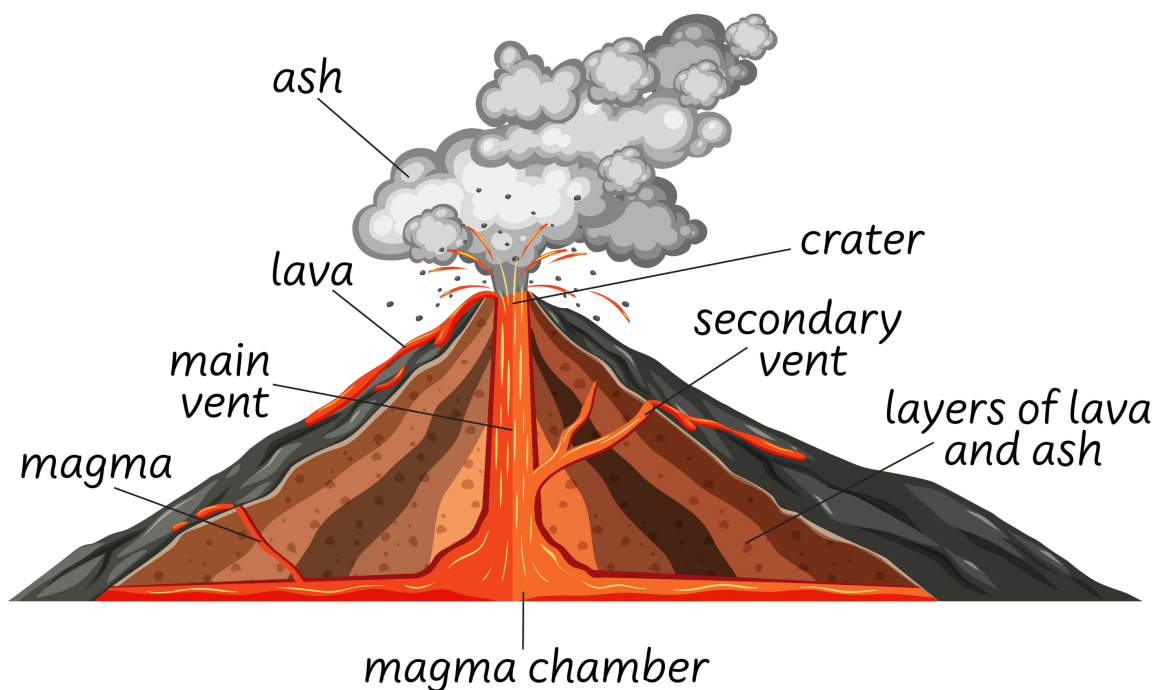
To see your volcano erupt again add an additional 2 tablespoons of vinegar.



# Volcano

- A volcano is a vent in the earth's surface through which molten rock, heated rock, debris, gases, and water vapor are expelled from beneath the earth's surface.
- Magma is rock found underground that melts and becomes liquid. It is stored in magma chambers.
- Vents allow hot magma to move up into the volcano where it collects.
- Once the pressure has built enough, the volcano will erupt. When it erupts, it puts out lava, rock, and ashes.
- Magma turns into lava as soon as it has pushed through the earth's surface and comes out on the ground.

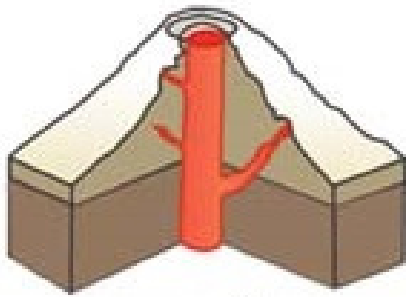
## Parts of a Volcano



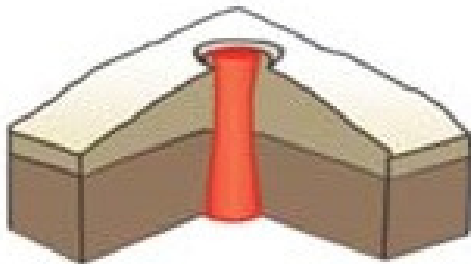
# Volcano

- Active volcanoes are volcanoes that have erupted within the last 10,000 years.
- An erupting volcano is a volcano that is currently experiencing an eruption.
- Dormant volcanoes are active volcanoes that are not currently erupting, but are expected to do so.
- An extinct volcano is one that has not erupted in the last 10,000 years and is not expected to erupt again.

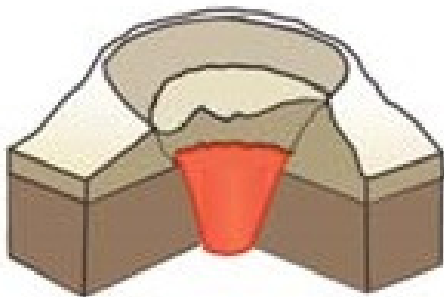
# Volcano



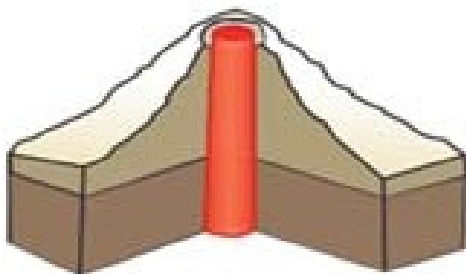
composite



shield



dome



cinder cone

## Types of Volcanoes:

### Composite Volcanoes

- Tall, thin cone
- Made of layers of hardened lava, rock, and ash
- It has thick magma that causes a big explosion.

### Shield Volcanoes

- Very wide or almost flat
- Made of layers of lava
- The lava that comes from it is very liquid and flows slowly from the top.

### Dome Volcanoes

- Wide top with rough sides
- Made of layers of lava and pieces of rock
- When it erupts, lava explodes and flows for great distances, and there is loose debris falling from the sky.

### Cinder Volcanoes

- Steep sides that form a tall cone
- Made of pieces of lava
- When it erupts, there is a big explosion of lava that quickly cools.

# Volcano

- Cinder
- Extinct
- Vent
- Magma
- Composite
- Dome
- Shield
- Lava
- Dormant

Match the term:

1. Molten rock found beneath the earth's surface.
2. A volcano that has not erupted recently, but may do so in the future.
3. Volcano that is almost flat.
4. An opening in the earth's surface through which lava flows.
5. Volcano that is tall and thin.
6. Molten rock that erupts from volcanoes.
7. Volcano that has lava that flows great distances.
8. A volcano that will not erupt again.
9. Volcano with lava that quickly cools.

Match the term:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_

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Match the term:

1. Magma  

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2. Dormant  

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3. Shield  

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4. Vent  

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5. Composite  

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6. Lava  

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7. Dome  

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8. Extinct  

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9. Cinder  

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