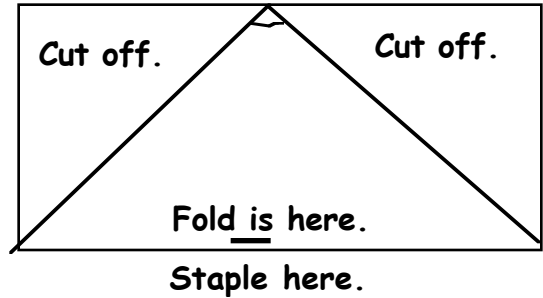


Make a Volcano Foldable!



1. Fold **two** pieces of colored paper in half hamburger-bun style.
2. Slip one inside the other.
3. Cut a triangle shape out as shown. Be sure the fold is at the bottom. Cut a small crater shape at the top. **Staple the bottom fold.**
4. Paste the title card, **TYPES OF VOLCANOES**, on the front of the Triangle.
5. You have three book pages inside.
6. Paste each type of volcano's name card and corresponding picture, type of lava, type of eruption, location, and slope on separate pages.
7. Paste your Name Tag on the back. Punch holes on the bottom.
8. Use your Volcano Foldable to **answer these questions:**
 - a. What is one way all volcanoes are alike?
 - b. How are mafic and felsic lava different from each other?

What is the cause of this?
 - c. How are the slope of a volcano and the type of lava that forms the volcano related?
 - d. If thick, gooey, slow-moving lava suddenly explodes out of the ground in your school yard, what kind of volcano can you expect to form in the next few months?

How do you know?

Will you be safe this close to this volcano?

How do you know?

TYPES OF VOLCANOES

SHIELD VOLCANO

CINDER CONE VOLCANO

COMPOSITE VOLCANO

MAFIC LAVA (thin, low silica, flows quickly) Produces Lava flows

FELSIC LAVA (thick, high silica, flows slowly) Produces Cinders, Ash, and Bombs

BOTH MAFIC AND FELSIC LAVA Produces layers of cinders and lava

Explosive Eruption

Quiet Eruption

Alternating Quiet and Explosive Eruptions

Base Slope - 2° and Summit Slope - 10°

Base Slope - 5° and Summit Slope - 30°

Overall Slope - $30-40^{\circ}$

Paricutin, MEXICO

Mauna Loa, Hawaii

Mt. St. Helens, Washington, U.S.A.

