VOLCANOES!

Activity Sheet 1.2a
The "Ring of Fire"

There are more than 1,500 ***active volcanoes*** *in the world. An active volcano is one that has erupted at least once in the past 10,000 years and is likely to erupt again. Because most of the Earth's volcanoes are hidden under the oceans, people have not been able to witness their eruptions. Every year, about 50-60 volcanoes erupt on land where people might be able to see them. Scientists estimate that there are about 200 volcanic eruptions under the oceans.*
The shaded area on your map is called the "Ring of Fire." Do the exercise below and you will discover why.

What to do

Locate and label each of the volcanoes listed on the blank map. Use a different colored marker for ***stratovolcano, shield,*** and ***cinder cone*** volcanoes.

1. Are most of the volcanoes located in the Ring of Fire?

_____

2. What percentage of the volcanoes are located in the Ring of Fire? To find out use the following formula:

$$\frac{\text{\# in shaded area}}{\text{total \#}} \times 100 = _____\%$$ of volcanoes in the Ring of Fire

3. What percentage of the volcanoes are located outside of the Ring of Fire? To find out use the following formula:

$$\frac{\text{\# not in shaded area}}{\text{total \#}} \times 100 = _____\%$$ outside of volcanoes in the Ring of Fire

4. Types of volcanoes in the Ring of Fire

# of stratovolcanoes _____

# of shield volcanoes _____

# of cinder cones _____

5. What type of volcano is most common in the Ring of Fire?

_____

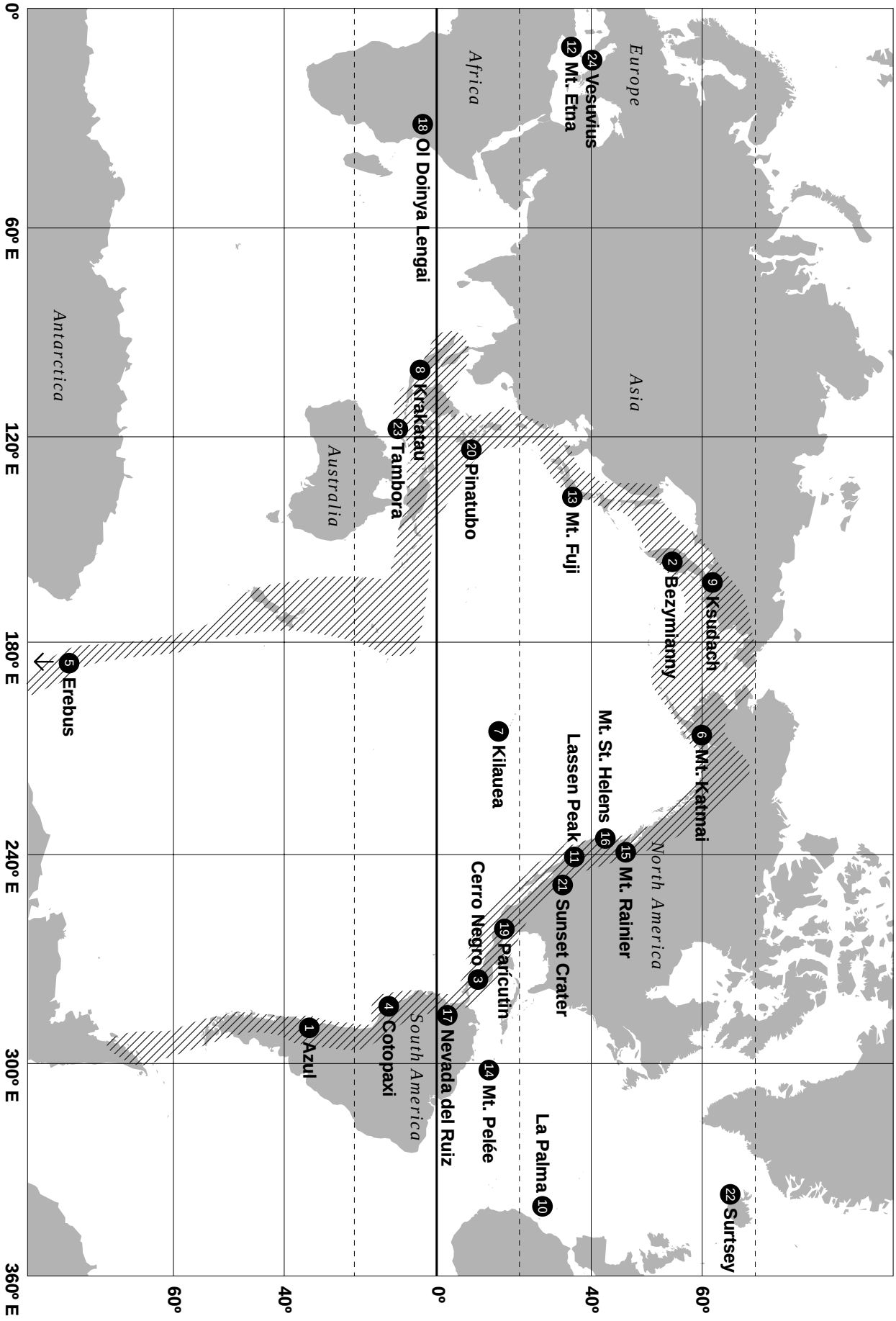
6. How many of the volcanoes listed have erupted since you were born?

_____

This is a list of some active, or recently active, volcanoes.

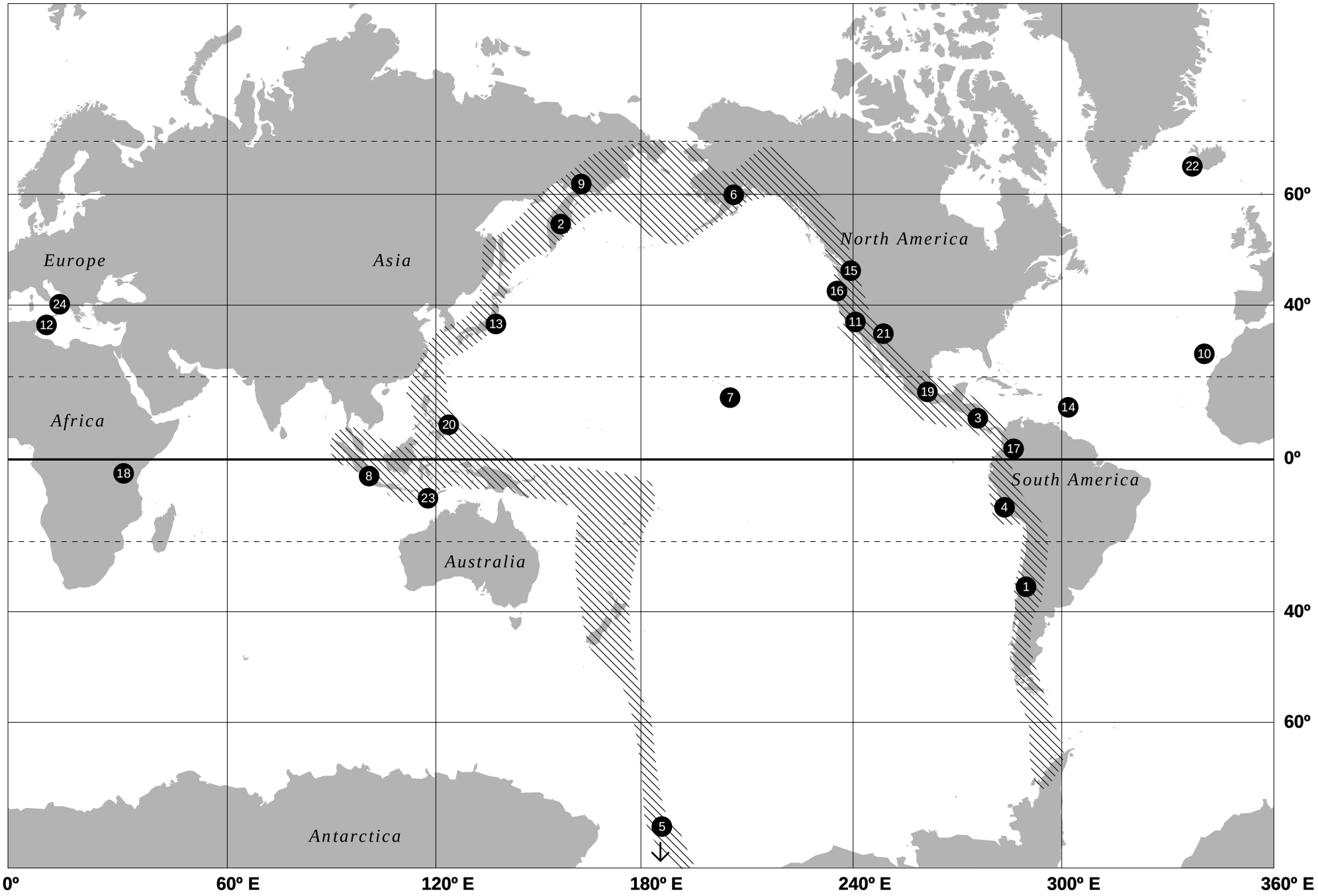
	Name	*Type*	*Last Erupted*
1	Azul	Stratovolcano	1967
2	Bezymianmy	Stratovolcano	1993
3	Cerro Negro	Cinder cone	1971
4	Cotopaxi	Stratovolcano	1942
5	Erebus	Stratovolcano	1980
6	Katmai	Stratovolcano	1912
7	Kilauea	Shield	1995
8	Krakatau	Stratovolcano	1894
9	Ksudach	Shield	1907
10	La Palma	Stratovolcano	1954
11	Lassen Peak	Stratovolcano	1914
12	Mt. Etna	Shield	1993
13	Mt. Fuji	Stratovolcano	1709
14	Mt. Pelée	Stratovolcano	1932
15	Mt. Rainier	Stratovolcano	1894
16	Mount St. Helens	Stratovolcano	1986
17	Nevada del Ruiz	Stratovolcano	1991
18	Ol Doinyo Lengai	Stratovolcano	1993
19	Parícutin	Cinder cone	1952
20	Pinatubo	Stratovolcano	1992
21	Sunset Crater	Cinder cone	1065
22	Surtsey	Shield	1967
23	Tambora	Stratovolcano	1967
24	Vesuvius	Stratovolcano	1944

Master Sheet 1.4

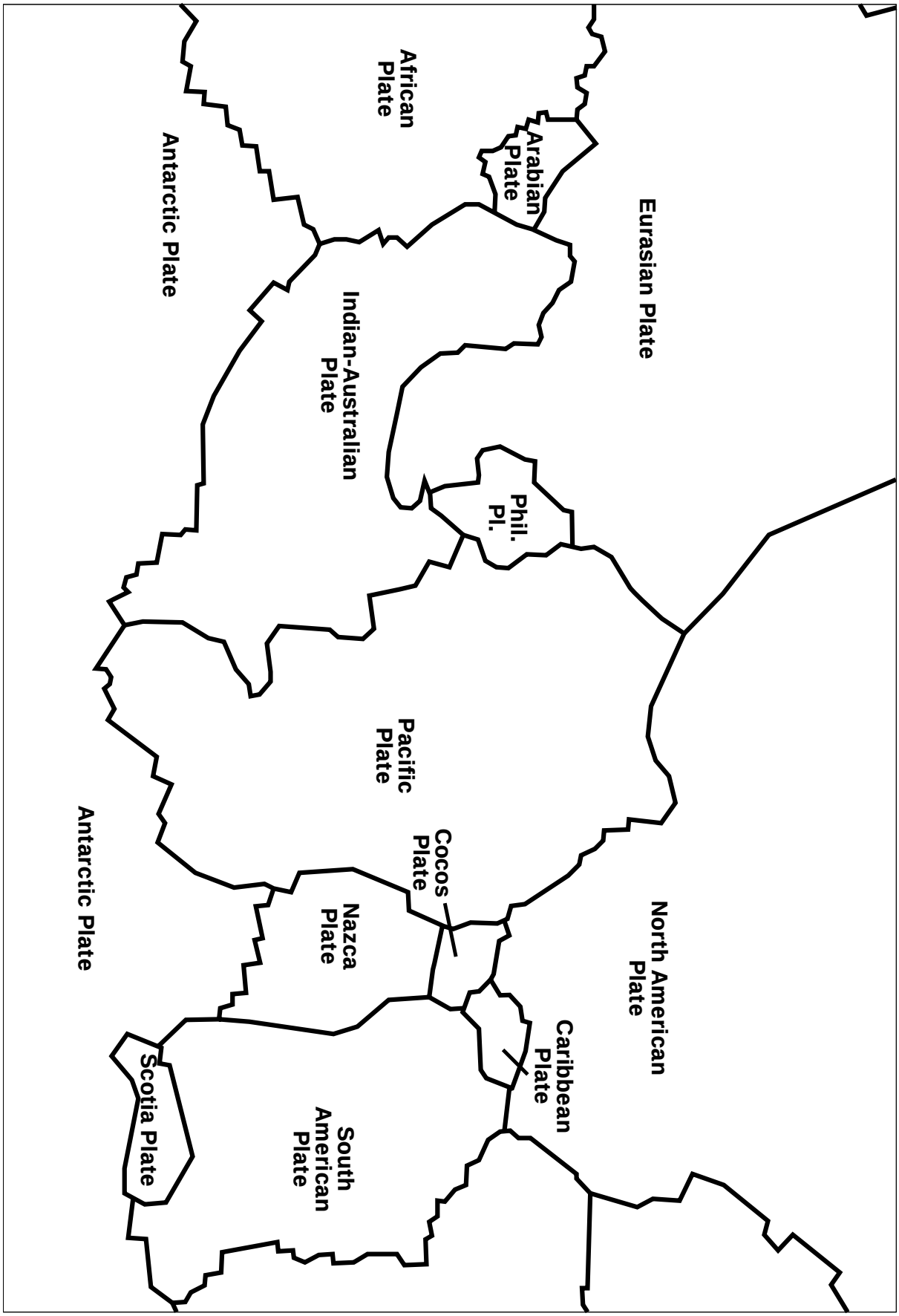


VOLCANOES!

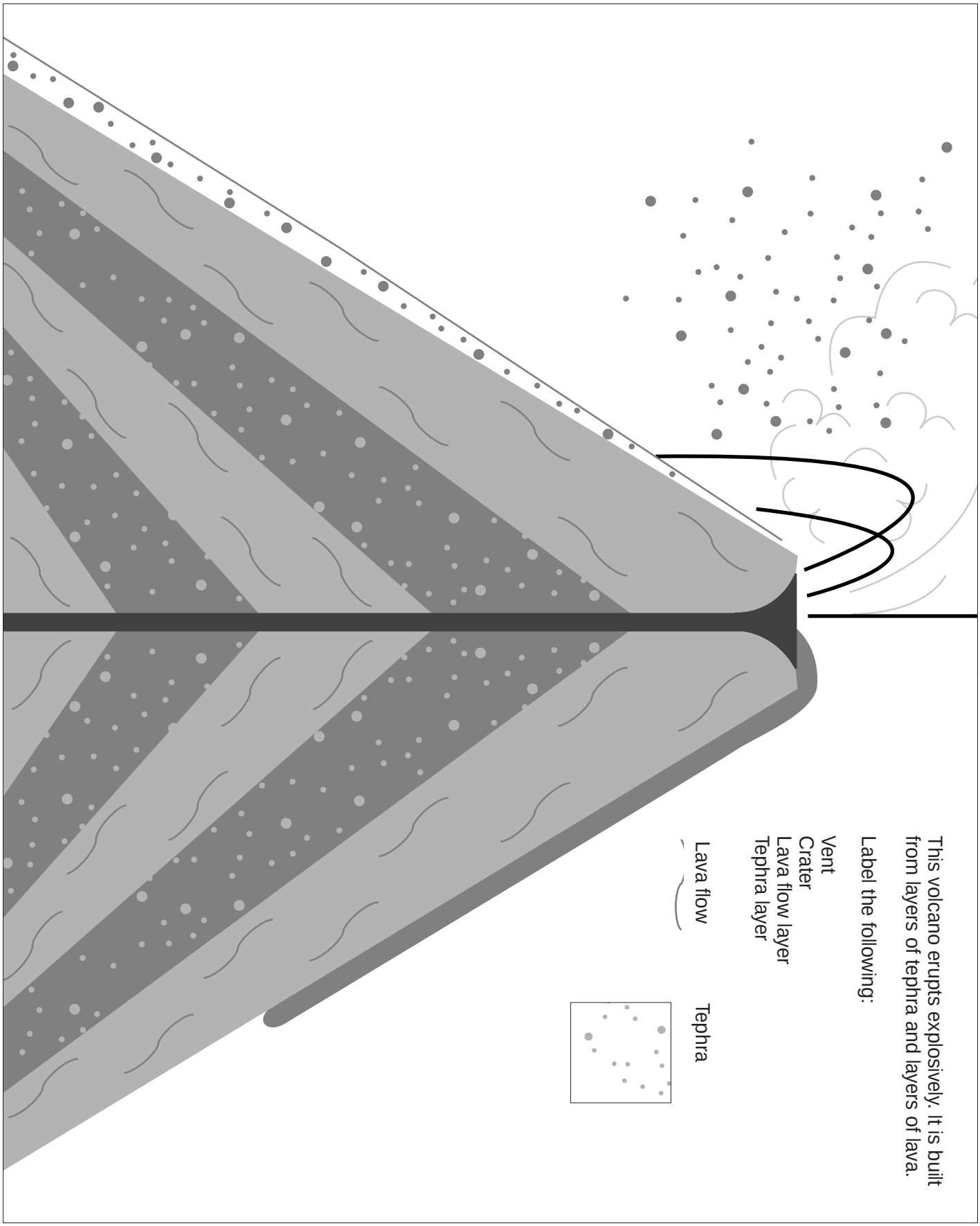
Activity Sheet 1.2b
The "Ring of Fire"



Master Sheet 1.5



Master Sheet 1.1

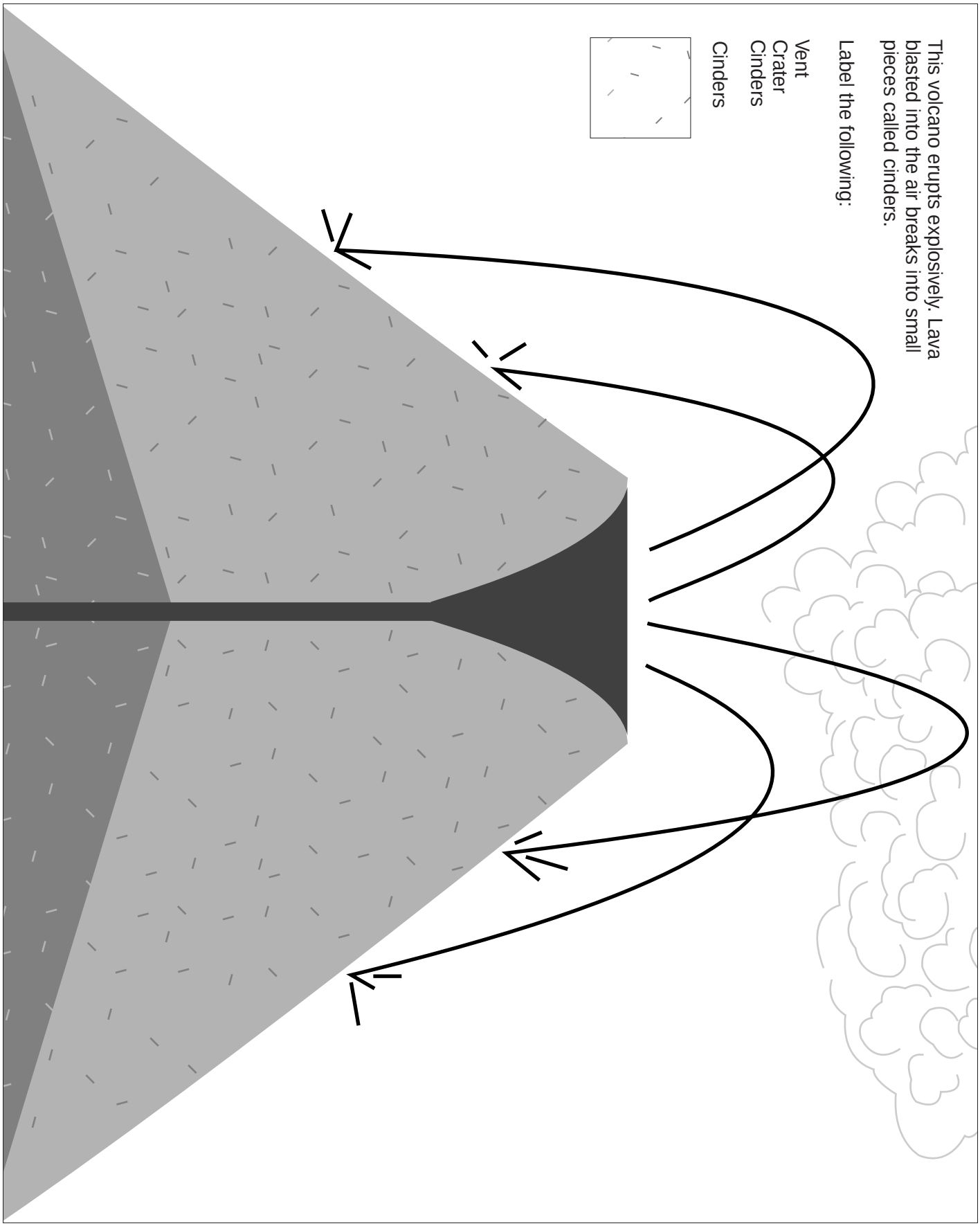


This volcano erupts explosively. It is built from layers of tephra and layers of lava.

Label the following:

Vent
Crater
Lava flow layer
Tephra layer

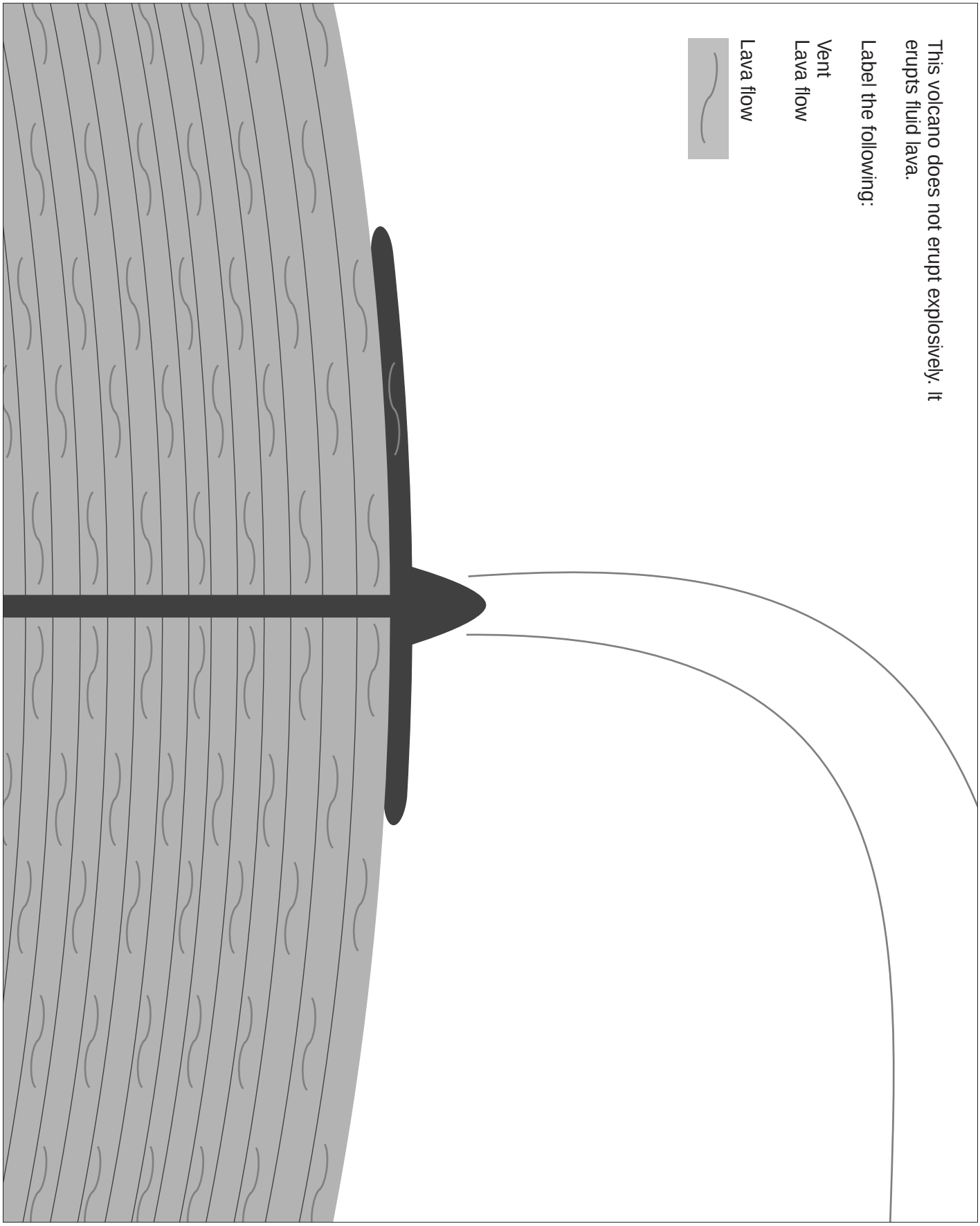
Master Sheet 1.2



Master Sheet 1.3

This volcano does not erupt explosively. It erupts fluid lava.

Label the following:

Vent
Lava flow

Lava flow