

Day 2

## Music Blizzard Bags

Name: \_\_\_\_\_

### Grades 3-4

#### Day 1 Assignment:

Wolfgang Amadeus **Mozart** was a talented and influential composer in the late 1700's. Much research has been done indicating that listening to Mozart stimulates the brain and increases intelligence.

Click the link below to watch and listen to the video of Mozart's "Eine Kleine Nachtmusik"

<https://www.youtube.com/watch?v=tSL5-wxgvFY>

As you listen and watch, notice that the lines represent different instruments. List 2 observations (or things you notice) about the colors and the placement (how high or low) of the lines. Please name one instrument you hear and tell which color represents the instrument. You may have to guess on this, and that is okay. We will review the video in class and make corrections to your responses as necessary. Please print out this page and write your response on the back. If you cannot print, write your response on a blank sheet of paper.

Please have your written answer signed by a family member and returned to me during your next music class.

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Name \_\_\_\_\_

Instructor  
WEB

Date \_\_\_\_\_

## Volcanoes

If you look at a **volcano** far away, it looks like a mountain. The main difference is a mountain is made of solid earth. A volcano opens from its top all the way down to a pool of hot, molten rock. This molten rock is stored in a cavern. The cavern is surrounded by earth except on its top.

The molten rock sits below the surface. It usually cannot be seen unless someone is looking down into the hole from the top. On occasion, it can be seen leaking out of the hole at the top. For this to happen there has to be an eruption!

When a volcano is not erupting, it is in what is called a "dormant" state.



You can usually tell when a volcano is going to explode. It starts with gases from the volcano. These gases and rock shoot up through the opening in small amounts. When you see the smoke coming from the top, it usually means that the volcano is going to erupt.

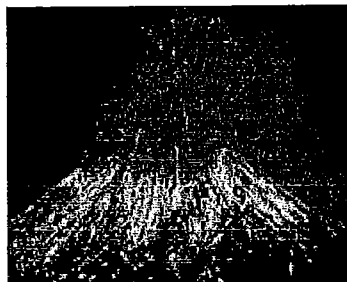
When a volcano erupts, the rock and volcanic gases do one of two things. They either spill over the edge of the volcano or fill the air with fragments of lava. Eruptions come in many different forms.

A volcano can produce a lateral blast, lava or ash flows, mudslides, avalanches, or even floods. In some cases, a volcano has been responsible for knocking down a whole forest! If a volcano erupts, it can cause other natural disasters to occur. This includes tsunamis, floods, earthquakes, mudslides, and rock falls.

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Date \_\_\_\_\_



There are very few volcanoes in the United States, which are active. The most common states to have active volcanoes include Hawaii, Alaska, California, Oregon, and Washington. Of these states, only Hawaii and Alaska are at serious risk for eruptions. People across the nation do not have to worry. If a volcano explodes, people within a 20-mile radius are usually the only ones at risk.

The volcanic ash that gets into the air can make people sick! This ash is made of crushed rocks. It can be very smelly and gritty. The smells of the ash can cause lung damage in children, senior citizens, and people with breathing problems.

A **geologist** is a person that studies the earth. Most geologists find volcanoes incredibly interesting. The reason geologists want to study volcanoes is so they can protect people who live near volcanoes. The problem is these rocks can become so hot they cannot be mapped out and studied closely. If these special scientists are able to map the rock formations, they can determine the amount of lava that a specific exploding volcano could create.

A proper map will also tell the geologist how quickly the lava will flow towards where people live. It is important that these people know if they need to leave their homes and how soon. Scientists used to map volcanoes from the air by taking pictures. Now they use something called a GPS or a Global Positioning System.

Without volcanoes, the earth would not be what it is today. In fact, more than 80% of the surface of the earth has a volcanic eruption to thank for its creation. The sea floor and many of the mountains were also formed by volcanic eruptions. Additionally, the gasses that come from volcanoes formed the atmosphere for the earth.

Volcanoes can also create other forms of earth such as lakes. In Oregon, there is a lake known as Crater Lake. This lake got its name when a high volcano erupted after a series of explosions that happened over 6,500 years ago!

Mount St. Helens is a volcano in Washington State. On May 18, 1980, there was a huge eruption of Mount St. Helens after 100 years of the volcano being inactive. The volcano had been considered asleep but when it woke up it erupted.

Name \_\_\_\_\_



Date \_\_\_\_\_

This blast was so dangerous people from Montana, Idaho, California, and even Canada could hear the explosions! The volcano took 58 lives and caused over \$1.2 billion in damages.

In 1992, there was an eruption of Mount Pinatubo. This volcano is located in the islands of the Philippines. This eruption was so dangerous that 250,000 people needed to be evacuated from the island. There were millions of dollars worth of damage and over 340 people died before the volcano was finished erupting.

Around the Pacific Ocean, there is something called the Ring of Fire. This area got its name because there are over 250 of the world's 500 active volcanoes in this area. The volcanoes are located in a circle around the Pacific Ocean.

Many other planets have volcanoes besides earth. The Moon has a few volcanoes but none of them is as dangerous as the ones on earth. Other planets that have them include both Mars and Venus. Mars has the largest shield volcanoes in the solar system. Venus has more volcanoes than any other planet in the solar system. Finally, there are volcanoes on one of the moons on Jupiter. Io is one of the larger moons of Jupiter. Io is about the size of the earth's moon. This moon has the most volcanic activity in the solar system.

Scientists and geologists are constantly trying to study more about volcanoes. The more they know the better they will be able to help people understand what will happen when a volcano erupts.



Name \_\_\_\_\_



Date \_\_\_\_\_

## Volcano Worksheet

1. What is the difference between a mountain and a volcano?

- A. Nothing they are the same
- B. Mountains have a hole on top
- C. Volcanoes have a hole at the top
- D. None of the above

2. How can you tell a volcano is going to erupt?

- A. Gases shoot from the top
- B. Rock shoots from the top
- C. It happens by surprise
- D. Both A and B

3. Which State is not known for a large amount of volcanoes?

- A. California
- B. New Hampshire
- C. Hawaii
- D. Washington State

### True or False

4. Mount St. Helens is located in California.

5. On May 18, 1980, Mount St. Helens erupted and caused over one billion dollars in damages.

6. There are four other parts of the solar system beyond the earth, which have volcanoes.

Name \_\_\_\_\_



Date \_\_\_\_\_

### Matching

Match the area with the type of volcano pattern

7. \_\_\_\_ The Earth's Moon

A. More Volcanoes than any area

8. \_\_\_\_ Mars

B. More eruptions than any area

9. \_\_\_\_ Io

C. Largest shield volcanoes

10. \_\_\_\_ Venus

D. Very few volcanoes





Solve each problem.

Answers

- 1) A pizza store sold 91 pizzas each hour. How many pizzas would they have sold after 72 hours?
- 2) A delivery driver made exactly 78 stops each day. After 20 days, how many stops would he have made total?
- 3) Oliver was helping his mom plant vegetables in the garden. Together they planted 60 rows of vegetables with 78 seeds in each row. How many seeds did they plant total?
- 4) A laundry mat owner washed 36 loads of towels with 34 towels in each load. How many towels did he wash total?
- 5) There are 63 teams in the state trivia tournament. If each team has 39 players, how many players are there total?
- 6) Haley was drawing on scrap paper. She could fit 47 drawings on each page. If she has 43 pieces of paper, how many drawings can she make?
- 7) A bouquet of flowers had 33 daisies in it. If a florist had 48 bouquets, how many daisies did they have total?
- 8) At the carnival there are 20 students selling tickets. If each student sells 45 tickets, how many tickets would be sold all together?
- 9) At a school fundraiser the students sold 92 boxes of candy with each box having 85 pieces inside of it. How many pieces of candy did they sell total?
- 10) A furniture store was selling new chairs for 82 dollars each. If a company bought 22 chairs, how much money would they end up spending?

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

Blizzard  
Bag  
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