

# Contents

Introduction . . . . .	2	Get Your Sleep . . . . .	54
Text Features . . . . .	3	Feeling Angry. . . . .	56
<b>Plants</b>		Wash Your Hands . . . . .	58
A Garden on a Roof . . . . .	4	What Does Your Tongue Do?. . . . .	60
A Plant That Eats Insects . . . . .	6	<b>Pioneers</b>	
Where Does Maple Syrup Come From?. . . . .	8	A General Store in the 1800s . . . . .	62
How Does a Greenhouse Work? . . . . .	10	Pioneer Farms: Spring and Summer . . . . .	64
<b>Ancient History</b>		Pioneer Farms: Fall and Winter. . . . .	66
Pyramids of Ancient Egypt . . . . .	12	Pioneer Life: Building a House . . . . .	68
Ancient Cave Paintings . . . . .	14	<b>Science</b>	
<b>Natural Forces</b>		All About Snow. . . . .	70
Tsunami Alert! . . . . .	16	Lighting Up the Sky . . . . .	72
What Can Wind Do? . . . . .	18	<b>Biography</b>	
Volcanoes . . . . .	20	David Suzuki . . . . .	74
<b>Animals</b>		Elizabeth Blackwell . . . . .	76
Slimy, Squiggly Worms! . . . . .	22	Roberta Bondar . . . . .	78
Koalas Are Cute . . . . .	24	Alexander Graham Bell . . . . .	80
The Octopus . . . . .	26	<b>Character Education</b>	
<b>The Environment</b>		Saying “I Am Sorry!” . . . . .	83
Eating Local Foods. . . . .	28	Gossip . . . . .	85
Earth Hour . . . . .	30	<b>Fables and Folk Tales</b>	
Forest Fires . . . . .	32	Old Cat and Little Cat . . . . .	87
<b>Space</b>		The Ant and the Dove . . . . .	89
Fact Sheet: The Moon . . . . .	34	The Broken Promise . . . . .	91
The Sun . . . . .	36	The Happy Man . . . . .	93
<b>Geography</b>		The Man and the Coconuts . . . . .	95
Glaciers and Icebergs . . . . .	38	The Shepherd Boy and the Wolf . . . . .	97
The Sahara Desert . . . . .	40	<b>Miscellaneous</b>	
Antarctica. . . . .	42	Where Does Milk Come From? . . . . .	99
<b>Occupations</b>		Graphic Organizers . . . . .	101
What Does a Zookeeper Do? . . . . .	44	How Am I Doing? . . . . .	111
What Does a Pharmacist Do?. . . . .	46	Reading Comprehension Student	
What Does an Architect Do? . . . . .	48	Tracking Sheet . . . . .	112
<b>Health</b>		Achievement Certificate. . . . .	113
Television and Computer Time. . . . .	50	Answers . . . . .	114
Caffeine and Kids . . . . .	52		

# Volcanoes

A volcano is a mountain that has an opening at the top called a **crater**. This opening travels deep into Earth, where there is **molten**, or melted, rock.

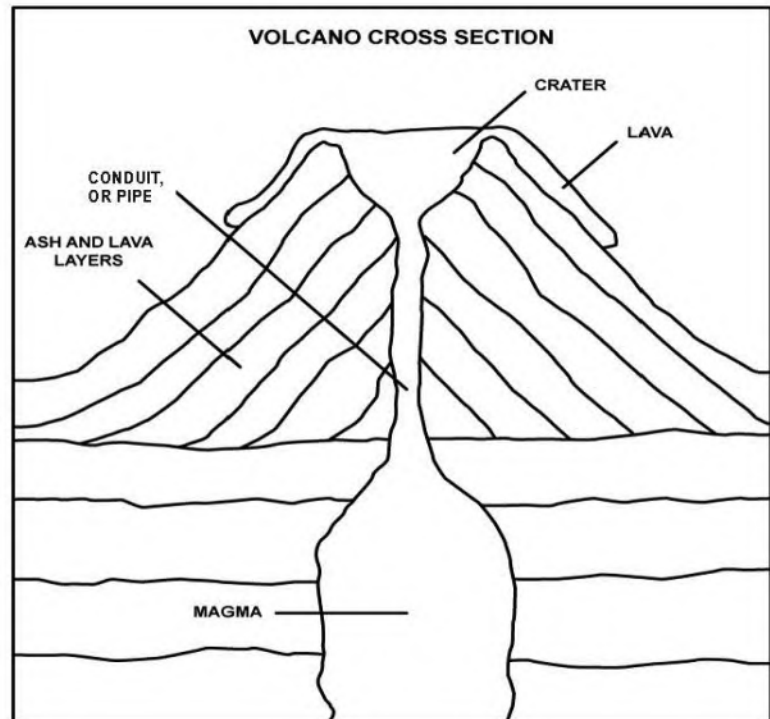
When a volcano **erupts**, molten rock and **ash** are pushed out of the crater. Molten rock inside a volcano is called **magma**. When molten rock flows outside of a volcano, it is called **lava**. When the lava cools, it becomes solid rock.

Lava is much, much hotter than boiling water and it cools slowly. Sometimes it can take more than a year for lava to cool completely.

There are three different types of volcanoes:

- An **active volcano** is one that erupted recently and might erupt again soon.
- A **dormant volcano** is one that has not erupted for a long time, but it might erupt again soon.
- An **extinct volcano** is one that erupted thousands of years ago and will not erupt again.

Volcanoes are found all over Earth. There are even volcanoes under the oceans. Today, there are more than 500 active volcanoes in the world. Most of these volcanoes are on land next to the Pacific Ocean.



## Did You Know?

The tallest volcano we know about is not on Earth. You will have to travel to Mars to see the volcano. This giant volcano is 25 km tall!



## **“Volcanoes”—Think About It**

1. What is the difference between magma and lava?

---

---

---

2. How are an active volcano and a dormant volcano similar and different?

Similar: \_\_\_\_\_

---

Different: \_\_\_\_\_

---

3. What example does the text give to show that lava cools slowly?

---

---

---

4. What kind of volcano would it be safest to live near? Tell why.

---

---

---

---

5. What text features do you see in this text? Name at least three.

---

---

# A General Store in the 1800s

In the 1800s, most small towns had a general store. It was often the only place where people could shop. At a general store, people bought things they could not make or grow themselves.

Here are some of the things for sale at a general store:

Category	Examples
Groceries	Coffee beans, spices, sugar, eggs, milk, butter, fruit, vegetables, cheese, honey
Medicines	Pills or syrups for problems such as upset stomach and headache
Sewing supplies	Cloth, pins, needles, thread, buttons
Items for the house	Pots, pans, candles, plates, dishes
Farming supplies	Rope, shovels, and other equipment for farmers
Treats for children	Hard candy, dolls and other toys

People often **traded** to get things they needed. For example, a farmer's hens might lay more eggs than the farmer's family needed. He might trade the eggs for some sugar and honey. Then the general store could sell the eggs to someone else.

Many general stores had a **post office**. People could buy stamps, send letters, and pick up letters at the post office.

The general store was also a meeting place. People would **talk** and **share news** with others who lived in the **community**. Homes did not have **telephones** back then, so people could not call their friends to stay in touch.





## **“A General Store in the 1800s”—Think About It**

1. Why did general stores sell so many different kinds of items?

---

---

---

---

2. How could people get things from a general store without spending money?

---

---

---

3. In the 1800s, people mailed letters more often than we do today. Why do people not mail as many letters today?

---

---

---

4. A general store usually had large windows at the front. One reason for the windows was to let in light. What would be another reason?

---

---

---

5. One item sold at the general store was very popular because homes did not have electricity. What is the item, and why did people need it?

---

---

---