



Blast! Crash! Splash!

?
BIG
Question

What forces
can change
Earth?

Share What You Know

- 1 **Think** of a force of nature, such as an earthquake or a storm, that you have read about or seen on TV.
- 2 **Draw** a picture of it.
- 3 **Share** your picture with the class. Explain your drawing.



Do It!

I saw a
tornado on TV.



Build Background: Watch a video about forces of nature.

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What forces can change Earth?



Force



Do you know the word force in your language? Write it above!

Definition:

Sentence:

Key Words

erupt

flow

island

lava

magma

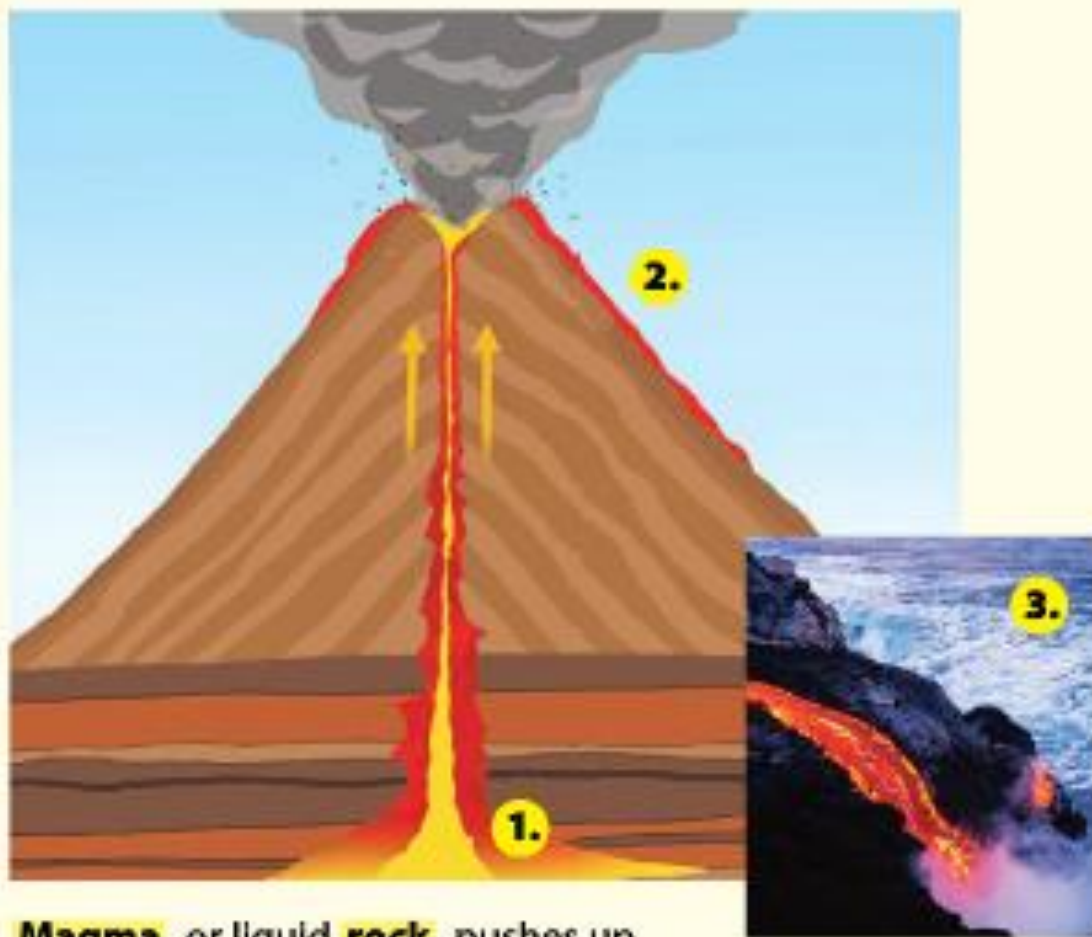
ocean

rock

volcano

Key Words

Look at this diagram. Use **Key Words** and other words to talk about what happens when a **volcano erupts**.



1. **Magma**, or liquid **rock**, pushes up.
2. **Lava flows** out.
3. Lava cools in the **ocean**. Over time, this can form **islands**.

More Key Words

Use these words to talk about "An Island Grows" and "Volcano Views."

core

(kɔr) noun



The **core** is the middle part of something. An apple **core** is the center part of an apple.

create

(krē-āt) verb



To **create** means to make something new. She **creates** a picture.

develop

(di-vel-up) verb



When something **develops**, it grows over time. The small plant will **develop** into a large tree.

force

(fɔrs) noun



Force means power or strength. The **force** of the wind bends this tree.

pressure

(pre-shar) noun



When one thing pushes against another, it makes **pressure**.

Talk Together

Write a sentence for each **Key Word**. Include clues. Copy each sentence with a blank for the **Key Word**. A partner fills in the word.

The center of Earth
is the _____.

Add words to My Vocabulary Notebook.

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Write a sentence for each Key Word.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Adverbs

Adverbs usually tell more about a verb.

Grammar Rules Adverbs

- Use an **adverb** to tell how, where, or when something happens.

Islands grow **slowly**. (how)

Rocks are **everywhere**. (where)

Ships sail by **today**. (when)

- For some adverbs, add **-er** to compare two actions. Add **-est** to compare three or more actions.

Thin lava flows **faster** than thick lava.

This lava flows the **fastest** of all.

- If an adverb ends in **-ly**, use **more** or **less** to compare two actions. Use **the most** or **the least** to compare three or more actions.

Li swims **more quickly** than Tom.

Tom swims **less quickly** than Li.

Uma swims **the most quickly** of all.

I swim **the least quickly** of all.

Read Adverbs

Read these sentences with a partner. Find two adverbs.

Waves pound the shore loudly. Winds blow the sand around.

Write Adverbs



Write three sentences about an island. Use at least two adverbs. Read your sentences to your partner.

Grammar: Adverbs

The Storm

Grammar Rules Adverbs

An adverb describes a verb. It tells where, when, or how.

Tell where	Tell when	Tell how
I looked down .	It is raining now .	I ran quickly .

Circle each adverb. Decide if it tells where, when, or how. Write each adverb in the correct place on the chart.

The wind blew hard yesterday. I looked up. Dark clouds rushed above. Rain started to fall lightly. Then, I heard a crash of thunder.

The rain poured everywhere! I ran fast. I got to my house soon.

where	when	how
up _____	_____	_____
_____	_____	_____
_____	_____	_____

 Tell a partner about a storm you saw. Use adverbs.



Language Frames

I think _____.

I believe _____.

In my opinion, _____.

Express Opinions and Ideas

Listen to Larry and Nia's song. Then use **Language Frames** to express your opinions and ideas about forces of nature.

Song 



Here's What I Think

Larry:

I think it is important
That we understand—
Earthquakes will occur,
And they will shake the land.

Nia:

I believe most people
Needn't be too scared.
But, in my opinion,
We must be prepared.

Tune: "Au Clair de la Lune"



How to Express Opinions and Ideas

1. Name the topic.	earthquake danger
2. Use opinion words: <i>must, should, think, believe.</i>	I think that people in earthquake areas should make an emergency kit.
3. Give a reason for your opinion.	An emergency kit could save your life.

Topic:

Opinion:

Reason:



Power Writing Routine

1. What do you know about the word or picture?
2. Take one minute to write as much as you can, as well as you can.
B words **I** sentences **A** **AH** paragraphs
3. Check your spelling and grammar. Circle mistakes.
4. Count your words.

