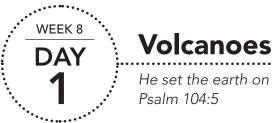


Earth Science: Geology



He set the earth on its foundations, so that it should never be moved. – Psalm 104:5

- 1. When a volcano is dormant, does that mean it is quiet or active?
- 2. When a volcano becomes active, what does it do? (Circle the answer below)

	It walks around	lt erupts	Lava flow stops
3.	Once magma leaves the vo (Circle the answer below)	d?	
	Lava	Concrete	Water

4. **True or False?** The Hawaiian Islands were built entirely by a volcano.

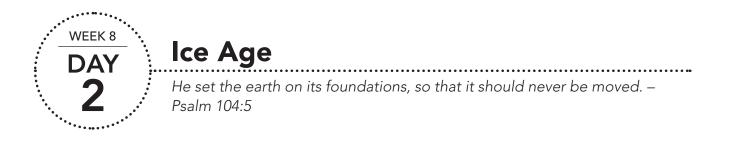
VIDEO ACTIVITY

To help illustrate what a volcano looks like when it erupts, you are going to make a model volcano. (Note to moms and dads – fresh vinegar and baking soda work much better than stuff that has been sitting around for a while.)

What you will need:

9x13 baking pan Plastic cup 3/8 cup Vinegar Baking soda Tablespoon Water Clay Red food coloring Bowl

- 1. Set your cup in the pan.
- 2. Shape the clay around the cup and into the shape of a volcano.
- 3. Put 2 tablespoons of baking soda and a few drops of food coloring into your volcano.
- 4. Pour the vinegar into the volcano.
- 5. Watch your volcano erupt!



1. What very cold weather change happened a little while after the waters dried up from Noah's Flood? (*Circle the answer below*)

	The Water Age	The Ice Age	The Book Age				
2.	. What are glaciers? (Circle the answer below)						
	Big sheets of ice	Islands	Mountains				
3.	True or False? For an Ice Age to happen, the oceans have to be cold and the air has to be warm.						

- 4. Just after the Flood, did a lot of volcanoes erupt, or just a few?
- 5. ______ is liquid rock when it is underground and ______ is liquid rock after it erupts out of a volcano.



Glaciers

He set the earth on its foundations, so that it should never be moved. – Psalm 104:5

1. When the glaciers melted, they dropped lots of dirt and rocks into piles. What are these piles called? (*Circle the answer below*)

Dust	Hills	Moraines

- 2. Does the Bible talk about the Ice Age?
- 3. Was the Great Flood before or after the Ice Age?

PUZZLE						
Match the phrase on the left to the correct word on the right.						
When a volcano is quiet, it is	Ice Age					
When a volcano becomes active, it	dormant					
After the Flood, there was an	glaciers					
Huge sheets of ice are also called	erupts					

PUZZLE Find all the words in the word search below.									
Glacier		Ice Age				Moraines			
Oc	ean			Noah's Flood					
Т			0					-	0
Т	Μ	0	R	А	Ι	Ν	Е	S	Z
Q	I	J	D	Y	S	G	Y	S	K
L	С	K	Μ	А	I	L	Ν	L	R
Н	Е	K	D	Κ	D	А	R	S	F
0	А	0	U	J	Е			G	Х
Ν	G	Q	Ρ	С	А	Ι	А	Т	U
W	Е	G	0	L	V	Е	Ν	G	С
Ν	Ζ	Y	G	В	L	R	F	Е	Т
Ν	0	А	Н	S	F	L	0	0	D



Earthquakes

He set the earth on its foundations, so that it should never be moved. – Psalm 104:5

1. What is it called when energy underground is released and the ground shakes? (*Circle the answer below*)

An earthquake	A hurricane	A tornado
---------------	-------------	-----------

2. What is the tool that measures earthquakes called? *(Circle the answer below)*

Seismograph	Earthquake machine	Thermometer
· · · · · · · · · · · · · · · · · · ·		

- 3. True or False? There are around 500,000 earthquakes per year.
- 4. Glaciers, _____ and earthquakes all help shape the landscape around us. (*Circle the answer below*)
 - continents canyons volcanoes



Erosion He set the earth on its foundations, so that it should never be moved. – Psalm 104:5

- 1. **True or False?** Erosion is when water and wind wear down and remove rocks and soil.
- 2. Can you see areas where erosion has occurred if you look closely?
- 3. You can see signs of erosion around ______ and creeks. (Circle the answer below)

streets

rivers

houses

VIDEO ACTIVITY

To help you understand the way erosion works, you are going to make a small erosion model.

What you will need:

A clear cup Sugar cubes Water A spoon or Popsicle stick

- 1. Fill the cup up with water.
- 2. Drop 2 or 3 sugar cubes into the water.
- 3. Stir the water around.
- 4. Notice how moving the water around the sugar cubes makes the cubes dissolve faster. That is how erosion works!

WEEK 8 REVIEW

