

BLIZZARD BAG INSTRUCTIONS

Attention Parents & Guardians,

We are approaching our 6th Calamity Day at CES. With our 6th day off brings our 1st day of Blizzard Bags. Blizzard bags **MUST BE COMPLETED**. Students have 2 weeks from the calamity day to complete the work in the blizzard bag. Blizzard bags are work all students should be able to complete on their own or with minimal help. The students may get help in the mornings from 8:30-8:50 or during recess to complete the work. These assignments will count as a classroom grade.

We thank you for your help and attention in ensuring your student completes and turns in their work within the 2 week window.

4th Grade Team



Name: _____

Earthquakes

The inner layers of the earth are very hot. The heat causes pressure, pushing against the earth's crust. Cracks in the crust are called faults. Pressure from inside the earth can cause the crust along a fault to shift, or move. When the crust moves, it causes vibrations (a quick movement forward and backward) that shake the surface of the earth. These vibrations are called earthquakes. There are many earthquakes every day, but they are mild and we do not feel them. Sometimes earthquakes are very strong, shaking the earth so hard they can make buildings fall apart. Scientists measure earthquakes with a special machine called a seismograph. The seismograph shows us how big the vibrations are. Scientists rate the movement on a scale from one to ten. "One" means the earthquake is mild. The stronger the earthquake, the higher the number. Keeping records of earthquakes helps scientists understand more about them.

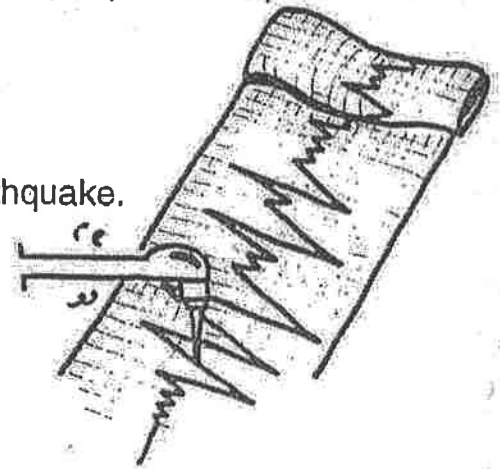
1. What is the main idea of this story?

- a. Inside the earth is very hot.
- b. Movement of the earth's crust is called an earthquake.
- c. A seismograph measures earthquakes.

2. Another word for a crack in the earth's crust is:

- a. seismograph
- b. pressure
- c. fault

3. What causes earthquakes?



4. What is a vibration?

5. How do scientists measure and learn more about earthquakes?

6. What do you know about an earthquake that is rated "one"?

THINK AHEAD: What do you think would happen in your city or town if a earthquake rated nine shook the earth?

1. Moose, deer, and caribou populations are stronger **as a result of** wolves' preying on weak, diseased, and injured animals.
2. Rhinoceroses' horns are believed to have medicinal value; **therefore**, they are often hunted for their horns.
3. Snow leopards have beautiful fur; **consequently**, they are often hunted for their fur.
4. Our class has not been completing our work lately. **For this reason**, we will not be going on a field trip this week.

Note: Words in **bold** are the cause-and-effect signal words.

Dear Mr. President



Thousands of people write to the U.S. president every year.

In 1860, 11-year-old Grace Bedell saw a picture of Abraham Lincoln and didn't like the way he looked. Grace wrote Lincoln a letter: "If you will let your whiskers grow...you would look so much better, for your face is thin." Lincoln took Grace's advice. He grew a beard.

Not every president takes a child's letter to heart, as Lincoln did. Below are just a few of the thousands of letters kids have sent U.S. presidents over the years. These and other letters have been on display in November at the National Archives and Records Administration, in Washington, D.C.

Don't Draft My Dad

In 1943, at the height of World War II (1939-1945), 10-year-old Carolyn Weatherhogg wrote a letter to President Franklin D. Roosevelt: "I am sending in a suggestion, that is draft fathers alphabetically."

The government at the time was **drafting**, or ordering, people to serve in the military. Carolyn hoped that because her father's last name began with *W*, he wouldn't be drafted for a long time, according to her proposal.

There was no return address on the letter, and no one knows what happened to Carolyn's father. Roosevelt did not reply.

Rock 'n' Roll Haircut

In the 1950s, Elvis Presley, a young singer from Memphis, Tennessee, rocked the music world. In 1957, the U.S. government had other plans for Presley--it drafted him into the U.S. Army. That decision did not sit well with many of his fans. For example, three girls in Montana did not want the Army to give Presley the standard Army buzz haircut. They wrote a letter to President Dwight D. Eisenhower (1953-1961) hoping to stop the Army from cutting Presley's hair and sideburns: "We think [it's] bad enough to send Elvis Presley in the Army, but if you cut his sideburns off we will just die!"

An army barber eventually gave Presley the military-issue crew cut.

Notes:

Italicized text is charted by the teacher during Direct Teaching. (I)

Underlined text is charted with the class during Guided Practice. (We)

Bold words are signal words.

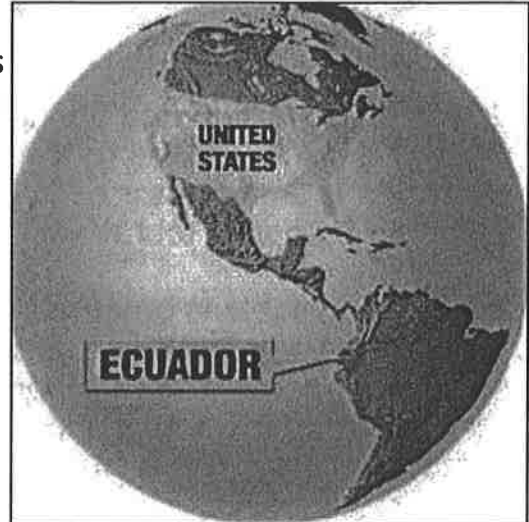
"Dear Mr. President"		
Cause	Effect	Sentences with Signal Words
<i>Grace thought President Lincoln's face was thin.</i>	<i>Grace wrote a letter to tell President Lincoln to grow a beard.</i>	<i>Grace thought President Lincoln's face was thin. For this reason, she wrote a letter telling him to grow a beard.</i>
<i>President Lincoln read Grace's letter.</i>	<i>President Lincoln grew a beard.</i>	<i>As a result of Grace's letter, President Lincoln grew a beard.</i>
<u>Caroline Weatherhogg did not want her father to be drafted.</u>	<u>Caroline Weatherhogg wrote a letter to President Roosevelt.</u>	<u>Caroline Weatherhogg did not want her father to be drafted. Therefore, she wrote a letter to President Roosevelt.</u>
<u>Caroline Weatherhogg's last name began with a W.</u>	<u>Caroline Weatherhogg suggested that fathers be drafted alphabetically.</u>	<u>Caroline Weatherhogg's last name began with a W. Consequently, she suggested that fathers be drafted alphabetically.</u>
<u>Elvis Presley was drafted by the U.S. Army.</u>	<u>Three girls wrote President Eisenhower to ask him to stop the U.S. Army from cutting Elvis's hair.</u>	<u>As a result of Elvis Presley being drafted into the U.S. Army, three girls wrote President Eisenhower to ask him to stop the Army from cutting Elvis's hair.</u>
<u>Elvis Presley was drafted by the U.S. Army.</u>	<u>Elvis Presley eventually received the military-issue crew cut.</u>	<u>Elvis Presley was drafted by the U.S. Army. Hence, he received the military-issue crew cut.</u>
<u>Andy Smith's mother declared his room a "disaster area."</u>	<u>Andy Smith wrote President Reagan to ask for "federal funds."</u>	<u>Andy Smith's mother declared his room a "disaster area." For this reason, Andy wrote President Reagan to ask for "federal funds."</u>

Frogs at Risk

South America's frog populations are on the decline. That spells trouble for the environment.

The mountains and thick forests of Ecuador, in South America, are home to 417 types of frogs and toads. Tiny red-eyed tree frogs hide inside flowers. Bumpy-skinned toads use their sticky tongues to catch mosquitoes and other prey. Colorful poison dart frogs rest on tree branches. These brightly colored frogs are packed with poison, which protects them from their enemies.

Now, many **species**, or types, of frogs and toads in Ecuador are at risk of dying out. According to a recent report by the group NatureServe, eight frogs have become **extinct**, or died out, in North and South America in the last 100 years. "It's the same magnitude event as the extinction of the dinosaurs," says scientist Luis Coloma.



Leigh Haeger

Ecuador is home to hundreds of types of frogs and toads. But now scientists are worrying about their health.

What Are Amphibians?

Salamanders, frogs, and toads are all **amphibians**. Amphibians are animals with backbones that spend part of their life in water and part on land. Frogs and toads lay jellylike eggs in water. The eggs hatch into tadpoles, which breathe through gills. As the tadpoles grow into frogs or toads, they develop lungs and live on land.

Like reptiles, such as lizards and snakes, amphibians are **cold-blooded**. That means their body temperature depends on the environment. Unlike reptiles, amphibians lack protective scales. Amphibians must live near water so that their skin stays moist.

Name: _____

Date: _____

“Frogs At Risk”

Cause	Effect	Sentences with Signal Words

Standards:

4NBT4: Fluently add and subtract multi-digit whole numbers using the standard algorithm.

4OA3: Solve multi-step word problems posed with whole numbers and having whole number answers using the four operations. Represent these problems using equations with a letter standing for the unknown quantity.

Computation Review

Name _____

Find the difference for each problem:

$$\begin{array}{r} 40,676 \\ - 8,459 \\ \hline \end{array}$$

$$\begin{array}{r} 60,462 \\ - 2,218 \\ \hline \end{array}$$

$$\begin{array}{r} 46,318 \\ - 4,539 \\ \hline \end{array}$$

$$\begin{array}{r} 84,360 \\ - 3,028 \\ \hline \end{array}$$

$$\begin{array}{r} 99,780 \\ - 5,716 \\ \hline \end{array}$$

$$\begin{array}{r} 20,717 \\ - 7,226 \\ \hline \end{array}$$

$$\begin{array}{r} 28,814 \\ - 2,587 \\ \hline \end{array}$$

$$\begin{array}{r} 79,153 \\ - 4,436 \\ \hline \end{array}$$

Find the sum for each problem:

$$\begin{array}{r} 30,863 \\ + 5,135 \\ \hline \end{array}$$

$$\begin{array}{r} 84,042 \\ + 6,066 \\ \hline \end{array}$$

$$\begin{array}{r} 317 \\ + 874 \\ \hline \end{array}$$

$$\begin{array}{r} 2,935 \\ + 131 \\ \hline \end{array}$$

$$\begin{array}{r} 510 \\ + 433 \\ \hline \end{array}$$

$$\begin{array}{r} 87,121 \\ + 48,984 \\ \hline \end{array}$$

$$\begin{array}{r} 1,253 \\ + 253 \\ \hline \end{array}$$