

## Fill in the Blanks

Follow the instructions to complete the activity.

NAME

DATE

Use the information found in *Earthquakes* to help you complete the following activity.

1. Many homes in  were not well built. This is one reason the earthquake caused so much damage.
2. The 2011 earthquake that struck Japan caused more than  billion in damages.
3. When earthquakes destroy roads or railways, it can make it difficult for  to provide relief.
4. Some emergency responders use  dogs. These dogs can help find people in disasters.
5. In 2014, an earthquake in Napa, California, caused more than  water main breaks.
6. Organizations such as the  take part in earthquake response simulations to help test emergency response methods.



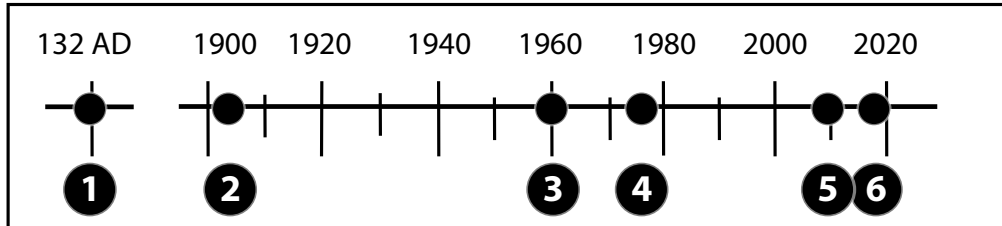
# Timeline

Follow the instructions to complete the activity.

NAME

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Number the events below in the order they should appear on the timeline. Write the number in the box beside each event. Check your answers with page 13 of the book.



The largest recorded earthquake in history strikes Chile. The resulting tsunami creates waves more than 30 feet (10 m) high.

The country of Haiti is struck by an earthquake that kills hundreds of thousands of people. More than one third of the nation's population is affected by the earthquake.

An earthquake strikes the city of Palu, in Indonesia, killing more than 2,000 people. Government officials expect that recovery and rebuilding will take more than two years.

The first seismoscope, a device used to detect earthquakes, is created in China.

A magnitude 7.9 earthquake strikes San Francisco, California, causing a series of fires. In total, more than 28,000 buildings are destroyed.

The Chinese city of Tangshan is struck by an earthquake that kills more than 240,000 people and destroys 85 percent of the city's buildings.



Complete the statements by writing the correct number in the box.

About this many earthquakes cause damage each year.

**1.5**

The deepest earthquakes take place about this many miles below Earth's surface.

**1964**

Scientists estimate that about this many million earthquakes shake the ground each year.

**100**

Hours after the Anchorage earthquake of this year, tsunamis hit Oregon and California.

**1935**

The scale used to measure earthquake strength was created in this year.

**400**



## True or False

Follow the instructions to complete the activity.

NAME

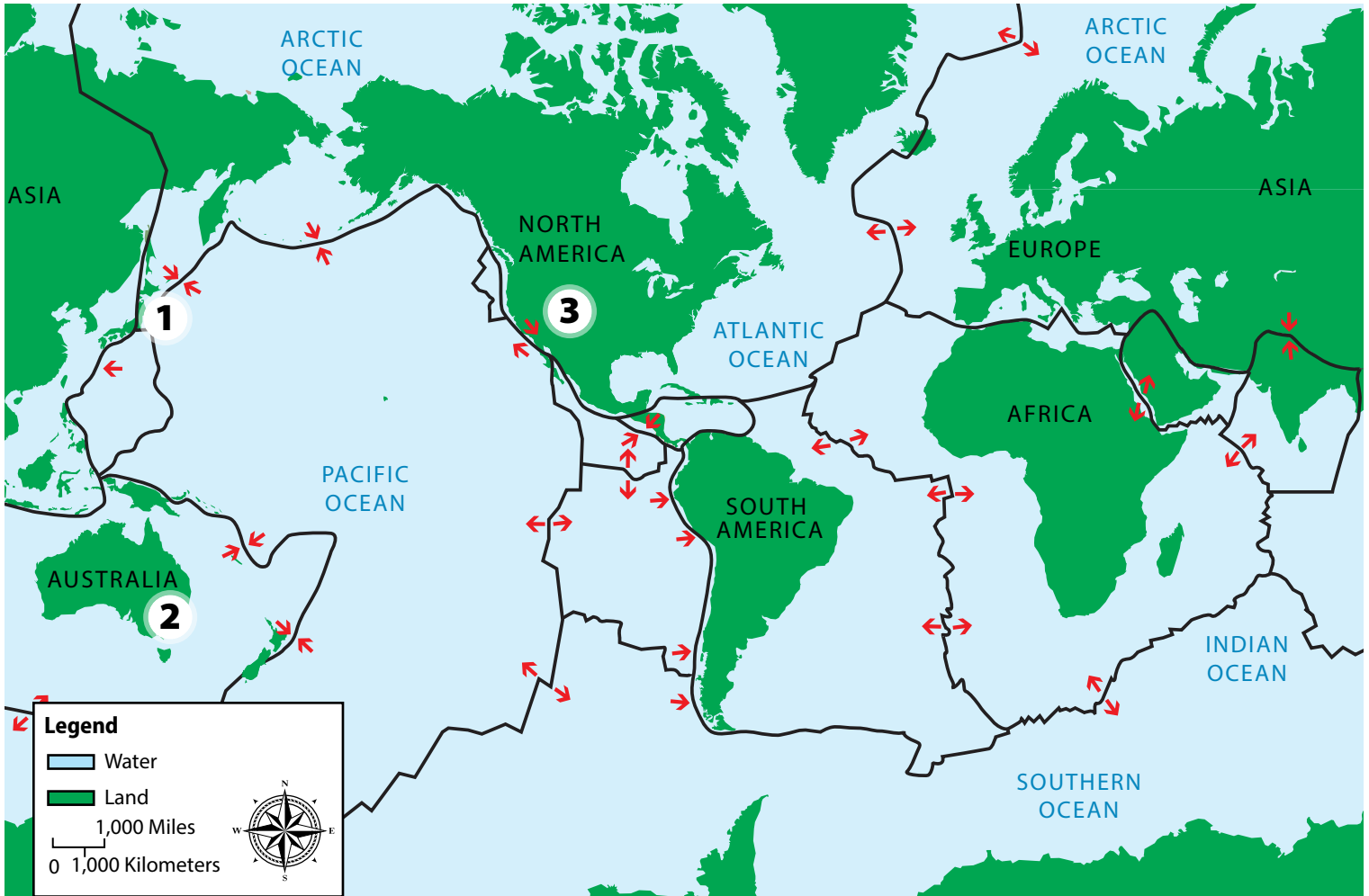
DATE

Using the information in *Earthquakes*, verify whether the following information is true or false. Check your answers in the book. List the page number where you found your information beside your answer.

Statement 1	The January 2010 earthquake in Haiti lasted only 40 seconds. It caused minimal damage	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 2	About 5,000 earthquakes each year can be detected without instruments.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 3	When earthquakes destroy roads or railways, it can make it difficult for emergency responders to provide relief.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 4	Some emergency responders use rescue dogs. These dogs can help find people in disasters.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 5	California has more earthquakes than any other U.S. state	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>



Using the information on page 21 of the book, name the country that matches the number on the map and the earthquake tracking group found there. Put your answers in the boxes below.



Country

Tracking Group

1	<input type="text"/>
2	<input type="text"/>
3	<input type="text"/>

<input type="text"/>
<input type="text"/>
<input type="text"/>



## Quiz

Test your knowledge by answering these quiz questions.

NAME

DATE

1

How many earthquakes cause damage each year?

2

How long did the January 2010 earthquake in Haiti last?

3

What is INSARAG?

4

What percent of Tangshan's buildings were destroyed during a 1976 earthquake?

5

How can earthquakes cause flooding?

6

What does a seismograph measure?

7

What makes up Earth's surface?

8

Where is the National Earthquake Information Center (NEIC) based?



## Key Words Match-Up

Write the words from the list below in the box above the correct definition for each word.

NAME

DATE

### KEY WORDS

aftershocks  
engineers  
faults  
magnitude  
rubble

seismic waves  
seismograph  
tectonic plates  
tsunami



**%**

1.   
a measurement of the size of an earthquake

6.   
experts at designing buildings or machines

2.   
a device used to measure vibrations in the earth's crust

7.   
pieces of Earth's crust that move slowly

3.   
small earthquakes that come after the main quake

8.   
a large, destructive wave

4.   
piles of broken stones and bricks

9.   
cracks between two tectonic plates in the earth's surface

5.   
vibrations in Earth's crust caused by earthquakes

