

## Know Your Numbers

Follow the instructions to complete the activity.

NAME

DATE

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

The Indian Ocean tsunami that took place in this year was a rare disaster.

**3**

Tilly helped save more than this many people because she knew the warning signs of a tsunami.

**2011**

In the open ocean, tsunamis start out as waves only about this many feet high.

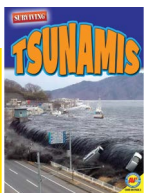
**6,834**

A big tsunami hit Japan's coast in March in this year. It killed more than 18,000 people.

**2004**

It takes this many pounds of weight to anchor the floating sensors used to study tsunamis.

**100**



## True or False

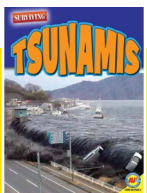
Follow the instructions to complete the activity.

NAME

DATE

Using the information in *Tsunamis*, 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	Getting clean water can be difficult after a tsunami.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number <div></div>
Statement 2	Tectonic plates float on hot rock called lava.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number <div></div>
Statement 3	More than 18 percent of the world's tsunamis occur in the Pacific Ocean.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number <div></div>
Statement 4	Drowning is the most serious risk in tsunamis.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number <div></div>
Statement 5	People living on land may not feel a quake many miles away on the ocean floor.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number <div></div>



## Fill in the Blanks

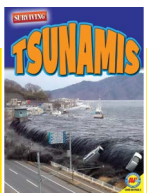
Follow the instructions to complete the activity.

NAME

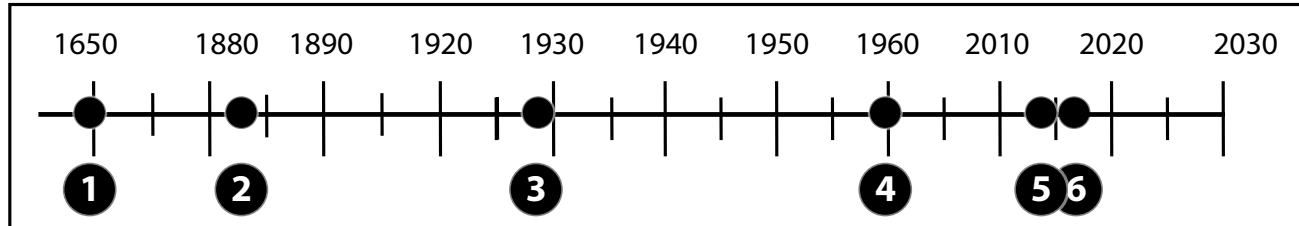
DATE

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

1. Tsunamis are sometimes called .
2.  with a history of earthquakes tend to be at greater risk for tsunamis.
3. More than 420,000 people have lost their lives to tsunamis since .
4. A tsunami may occur if an earthquake near the coast lasts  seconds or longer.
5. You may have less than  minutes to act by the time you see the first wave.
6. Earthquakes on the ocean floor  the water above.



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 17 of the book.



A magnitude 7.2 earthquake on the ocean floor off the Grand Banks creates a tsunami that hits Newfoundland, Canada. Waves more than 23 feet (7 m) high result in 28 deaths.

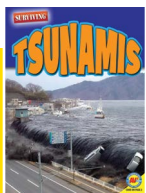
Photographs and thermal images of the surface of Mars show evidence of two tsunami events. These events were likely caused by meteors or asteroids hitting Mars' surface.

A magnitude 8.2 earthquake off the coast of Chile results in a Pacific region tsunami. With seven deaths and more than 200 injuries, Chile reports the only significant damage.

Tsunamis more than 100 feet (33 m) high form when Indonesia's Krakatoa volcano erupts, collapsing much of the surrounding ocean floor.

A volcano erupts on the Greek island of Santorini, setting off a mega-tsunami. Waves are estimated to be more than 300 feet (100 m) high.

The largest earthquake ever recorded, a magnitude 9.5, hits Chile. It causes tsunami waves that affect Chile, Peru, Hawaii, and Japan.



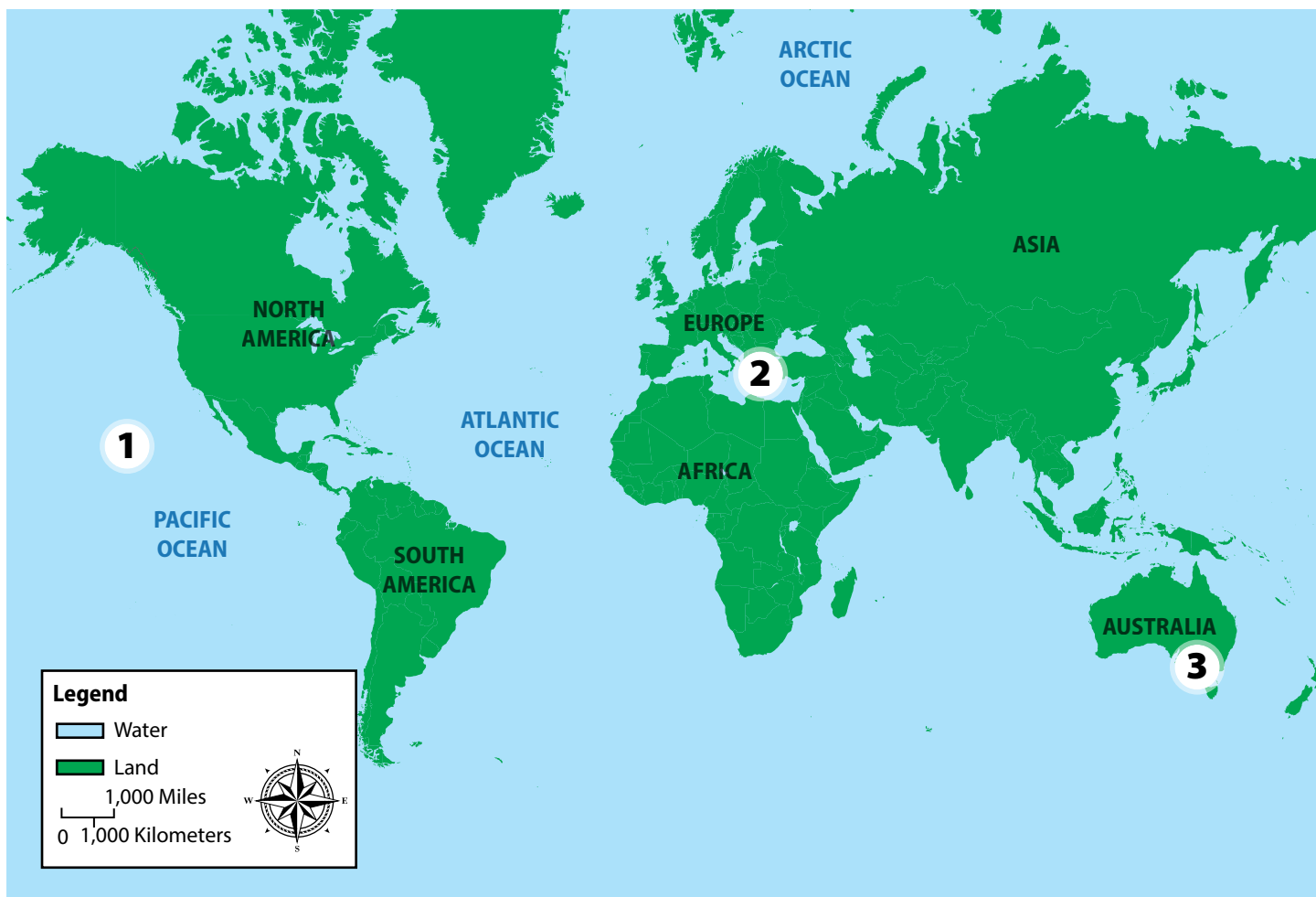
## Map Activity

Follow the instructions to complete the activity.

NAME

DATE

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



Country

Warning Center

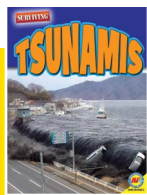
1



2



3

**Surviving  
Tsunamis**

Reference: All Pages

Page  
1 of 5

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LEARNING

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## Quiz

Test your knowledge by answering these quiz questions.

NAME

DATE

1

What are two key warning signs for a tsunami?

2

What is Earth's surface made up of?

3

What is the most serious risk people face during a tsunami?

4

How far inland can a tsunami wave go?

5

What is another name for a tsunami?

6

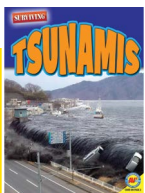
Where should a family's tsunami emergency kit be kept?

7

How many people have lost their lives to tsunamis since 1850?

8

Where is the Pacific Tsunami Warning Center located?



## 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

debris  
displace  
epicenter  
erosion  
faults

foundations  
magnitude  
nuclear  
seismic



%

1.   
the process by which something slowly wears away

2.   
the support structures underneath buildings

3.   
to move something from its usual location

4.   
a number that measures an earthquake

5.   
the place on Earth's surface above an earthquake

6.   
cracks between plates of Earth's crust

7.   
caused by an earthquake

8.   
the remains of destroyed objects

9.   
related to the use of atomic energy

