

Do you know what a geomorphologist does? What does a seismologist do...study sighs?

Well, don't worry! Once again, the answers are inside.

This activity book introduces you to a bunch of cool natural hazard science jobs. When you're done with this activity book, check out our previous science career activity book for more fun! https://doi.org/10.3133/gip222



#### FOR MORE SCIENCE STUFF, VISIT:

https://www.usgs.gov/ https://www.usgs.gov/educational-resources https://www.usgs.gov/youth-and-education-in-science



#### **USGS Natural Hazards Mission Area**

### I Am A...

#### **Science Careers Book for Kids**

#### PART 2

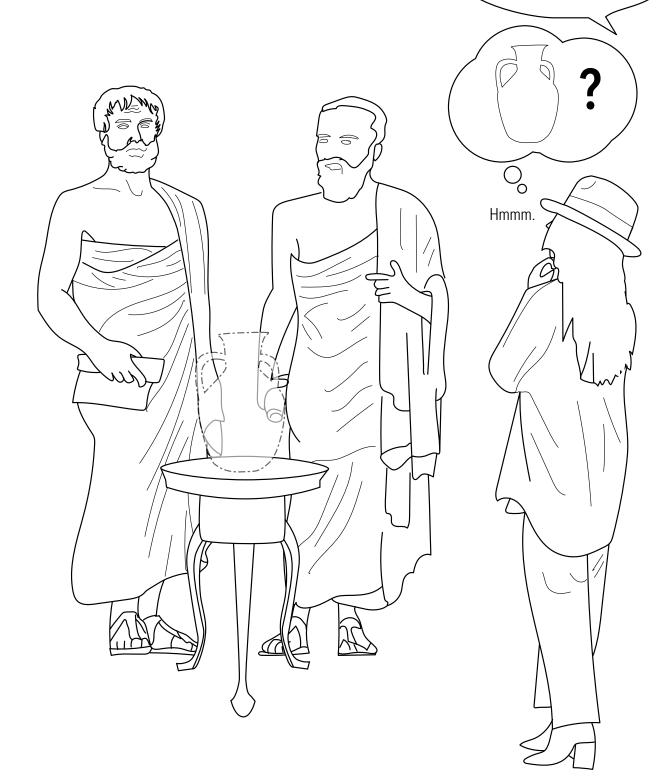
By Steven Sobieszczyk

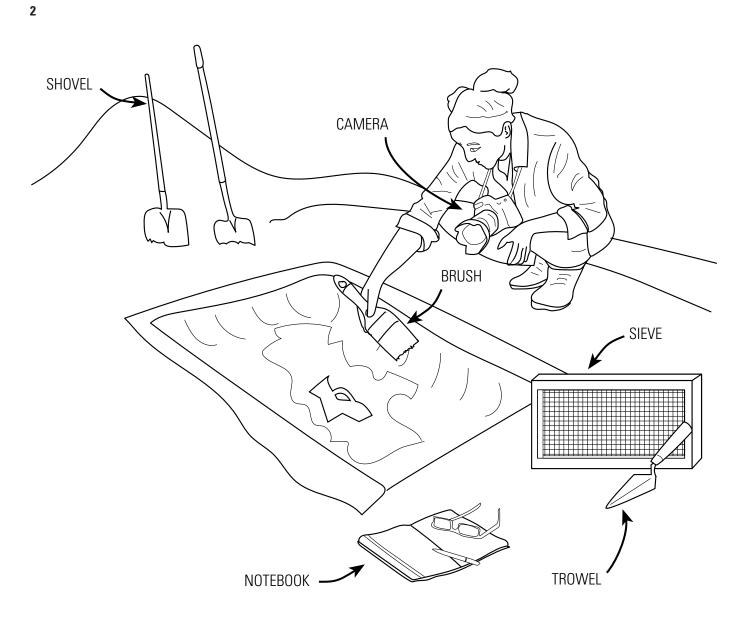
#### Acknowledgments

I would like to thank all the subject matter experts and staff who helped provide authenticity to our careers and their representation, including Suzanna Soileau, Annie Scott, Holly Weiss-Racine, Rachel Pawlitz, Gary Latzke, Eleanour Snow, Wendy Stovall, Austin Elliott, Alexandra Hatem, Sara Ernst, Sara McBride, Jack Friedman, James Mosley, and Paul Earle.

When I say, "I try to understand how ancient humans lived."







## I AM AN...

### ARCHAEOLOGIST

Someone who studies ancient history



#### **DID YOU KNOW?**

The early human fossil "Lucy" was named after the Beatles' song "Lucy in the Sky with Diamonds."

# ARCHAEOLOGIST

#### ar-chae-ol-o-gist

What it is: Someone who studies ancient history by collecting and analyzing physical remains.

How it's said: AR KEY OL O JIST

What it means: The term "archaeologist" means "someone who studies ancient things."

arkhaio- = ancient

-ology = study of

• -ist = person



#### **JOKING AROUND**

Why did the archaeologist get promoted? They dug deep and found success.

#### TEST YOUR SMARTS

1.	When	did Mount	Vesuvius	erupt and	bury the	cities o	f Pompeii a	and Herc	ulaneum	in vo	Icanic	ash?
----	------	-----------	----------	-----------	----------	----------	-------------	----------	---------	-------	--------	------

a. 1980

c. 79

b. 1492

d. 503

2. Approximately how long ago did humans arrive in North America?

a. 1 million years ago

c. 200,000 years ago

b. 22,000 years ago

d. 500 years ago

3. A major earthquake in the year 365 destroyed most towns on which Mediterranean Sea island?

a. Atlantis

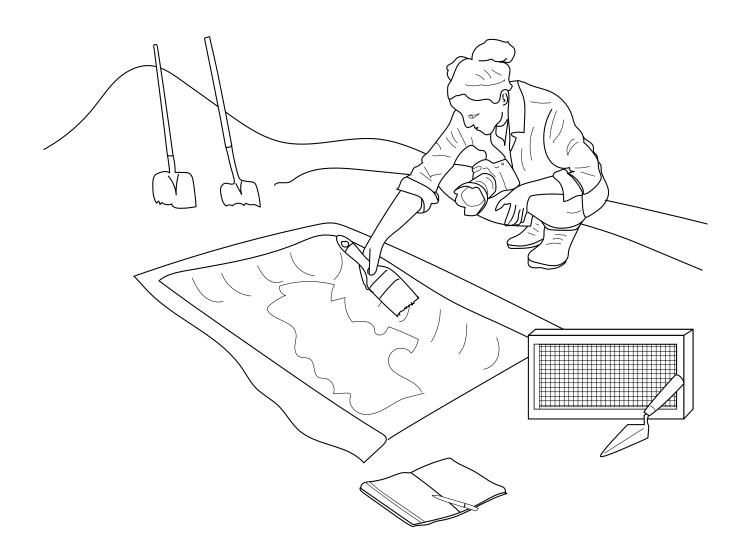
c. Madagascar

b. Crete

d. Tahiti

# WHAT'S MISSING?

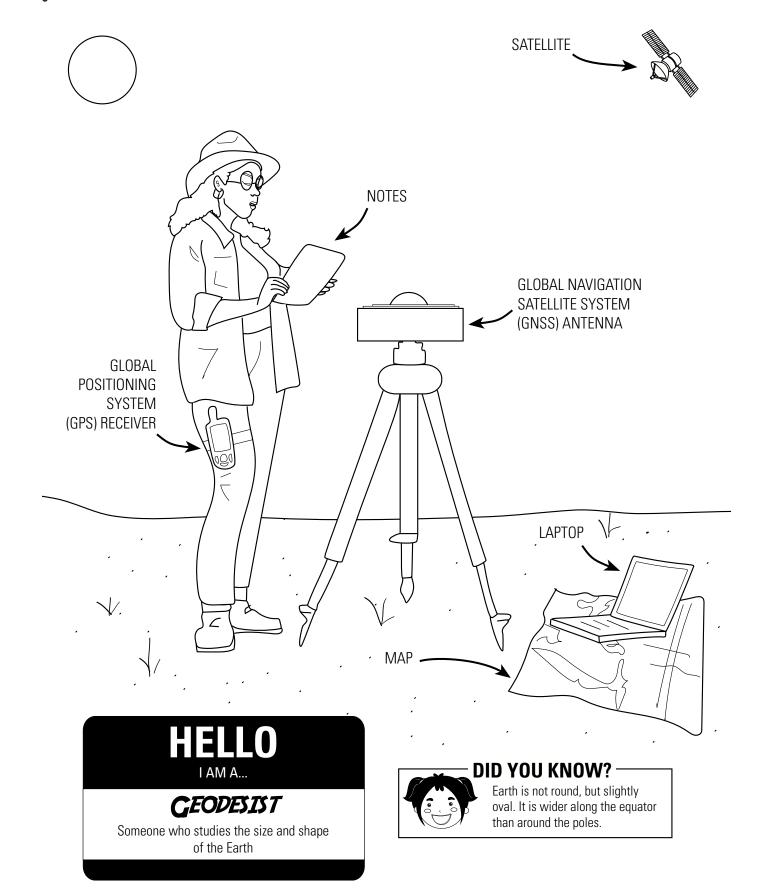
Can you find the five items that are missing in this picture compared with the image on page 2? The answers are on page 48.



When I say, "I measure changes to the size and shape of Earth."







# **GEODESIST**

ge-od-e-sist

What it is: Someone who studies the size and shape of the Earth.

How it's said: GE ODD EH SIST

What it means: The term "geodesist" means "someone who divides the Earth up."

geo- = Earth

daiein- = to divide

• -ist = person



#### **JOKING AROUND** -

Why does the Earth enjoy spinning? Because it's fun to make a day of it.

### TEST YOUR SMARTS

1. Approximately how many miles is the distance around the Earth?

a. 80 miles

c. 25,000 miles

b. 400 miles

d. 80,000 miles

2. Which one of these options is *not* a layer of the Earth?

a. Crust

c. Veneer

b. Mantle

d. Core

3. How fast does Earth spin around its axis?

a. 100 miles per hour

c. 10,000 miles per hour

b. 1,000 miles per hour

d. 25,000 miles per hour

# SUDOKU

Fill every box with a number so that each row, column, and 3×3 grouping contains all the numbers from 1 to 9 without repeating any. The answers are on page 49.

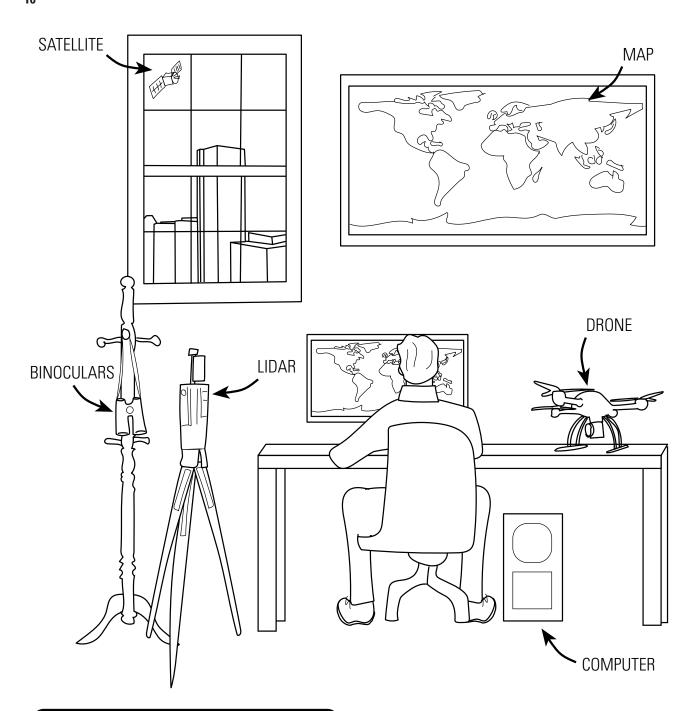
2	3			8	7	1	9	
		7	6		2	4	5	3
1	4	6	3	5				7
	6	4		9			8	5
5	1	8	2		4	6	3	
3			8	6	5	7		1
4	2		9	3	6		7	
6	7	9				3	1	2
		3	7	2	1	9		4

		P	ROV	V		
COLUMN	(	SRC	3x3 )UP	INC	3	

When I say, "I make maps for a living."







## **HELLO**

I AM A...

### **GEOGRAPHER**

Someone who studies the Earth's features and how we interact with them

### **DID YOU KNOW?**

Mauna Kea, located on the island of Hawaii, is taller than Mount Everest, but nearly half of it is under the Pacific Ocean.

# **GEOGRAPHER**

#### ge-og-ra-pher

What it is: Someone who studies the features, layout, and interrelationships of things on Earth.

How it's said: GEE AH GRAH FUR

What it means: The term "geographer" means "someone who describes the Earth."

• geo- = Earth

-graphia = description

-er = person



#### **JOKING AROUND**

What is the capital of Alaska? Come on, Juneau this one!

### TEST YOUR SMARTS

1. What	s the in	naginary l	ine that	separates	the Nor	thern and	Southern	Hemisp	heres
---------	----------	------------	----------	-----------	---------	-----------	----------	--------	-------

a. Prime meridian

c. Equator

b. Continental divide

d. International date line

- 2. Which type of map shows differences in how high or low the land surface is?
  - a. Topographic

c. Resource

b. Boundary

d. Physical

- 3. What satellites does the U.S. Geological Survey use to study landscape changes on Earth?
  - a. Landsat

c. LandEye

b. EarthView

d. GeoOrbiter

# WORD SEARCH

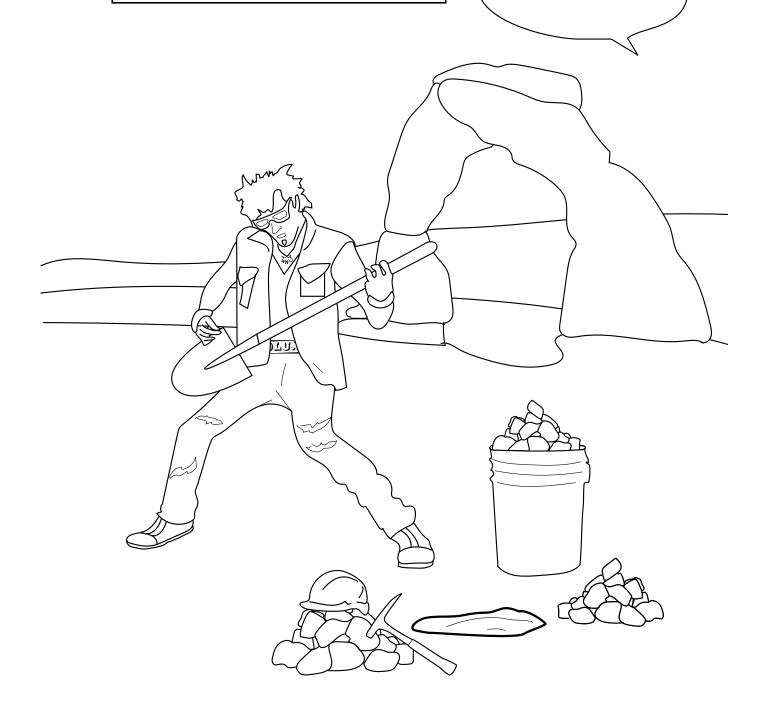
The answers are on page 48.

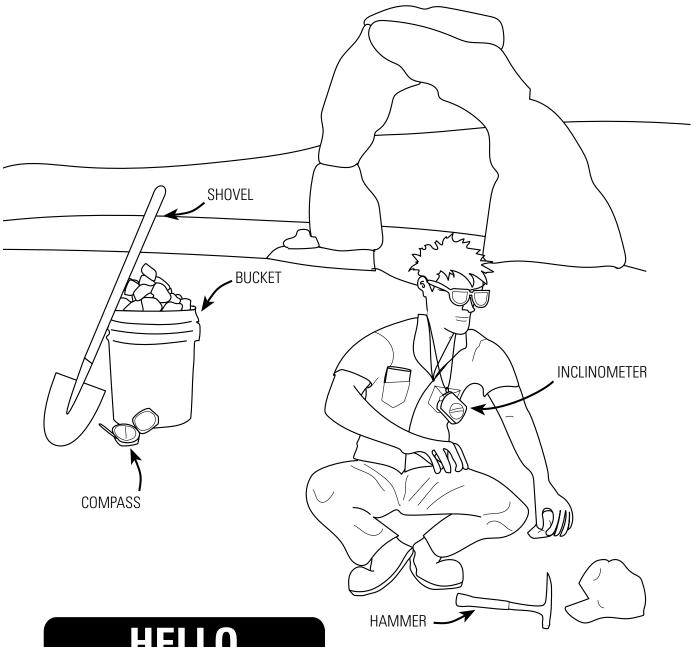
K	Q	P	M	R	G	U	D	S	R	B	T	A	0	U	C	R
W	S		C	Ε	H	В	S	U	R	V	E	Y	0	R	F	U
0	C	0	L	K	X	W	U	D	R	K	C	P	W	A	G	T
R	G	U	D	L	0	G	H	M	A	P	S	Y	P	G	Н	A
L	Н	J	A	F	C	F	A	0	E	0	S	F	W	C	J	В
D	Y	R	G	Q	G	G	U	D	R	K	C	0	S	F	K	L
G	I	W	C	W	0	Ε	C	L	U	X	A	F	A	W	L	Ε
M	0	S	F	0	J	Α	0	A	0	Z	L	U	T	U	I	T
A	K	K	S	R	M	Q	V	G	K	C	R	K	E	V	Y	P
Q	R	N	F	T	Ε	P	Н	J	R	A	X	S	L	Ε	Н	0
P	G	G	F	Y	Q	Z	U	P	K	A	L	U	L	R	K	F
R	Н	L	C	U	Y	F	F	T	G	U	P	R		Н	T	Ε
Y	S	0	V		I	W	T		E	G	N	Н	T	J	W	R
X	Ε	В	I	N	0	C	U	L	A	R	S	Q	Ε	Z	C	I
Z	Q	Ε	J	V	S	Q	P	D	W		0	L	В	R	R	X
N	В	T	U	I	E	X	P	L	0	R	E	C	J		H	F

BINOCULARS	MAPS
COMPUTER	SATELLITE
EXPLORE	SURVEYOR
GEOGRAPHER	TABLET
GLOBE	WORLD

When I say, "I'm totally a 'rock' star. Cuz, you know, I study rocks."







## **HELLO**

I AM A...

### **G**EOLOGIST

Someone who studies the Earth

#### **DID YOU KNOW?**



Antacids taste like chalk...because they are chalk! Chalk, or calcium carbonate, is a mineral that has many different uses, including in medicines!

## **GEOLOGIST**

#### ge-o-lo-gist

What it is: Someone who studies the history, nature, materials, and processes of Earth.

How it's said: GEE AH LOW JIST

What it means: The term "geologist" means "someone who studies the Earth."

• geo- = Earth

-ology = study of

• -ist = person



#### **JOKING AROUND** -

What's a geologist's favorite ice cream? Rock erode.

### TEST YOUR SMARTS

- 1. What is the hardest mineral on Earth?
  - a. Quartz

c. Sapphire

b. Garnet

- d. Diamond
- 2. How old are the oldest rocks on Earth?
  - a. 4.0 billion years old

c. 4.0 million years old

b. 1.0 billion years old

- d. 1.0 million years old
- 3. What is the deepest canyon in the United States?
  - a. Grand Canyon

c. Zion Canyon

b. Bryce Canyon

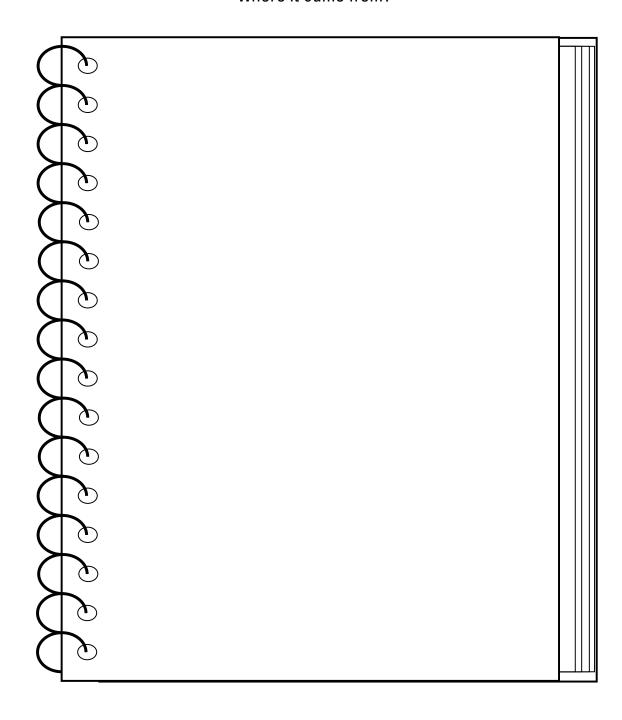
d. Hells Canyon

# ROCK SKETCH

#### **FIND A ROCK AND DRAW IT**

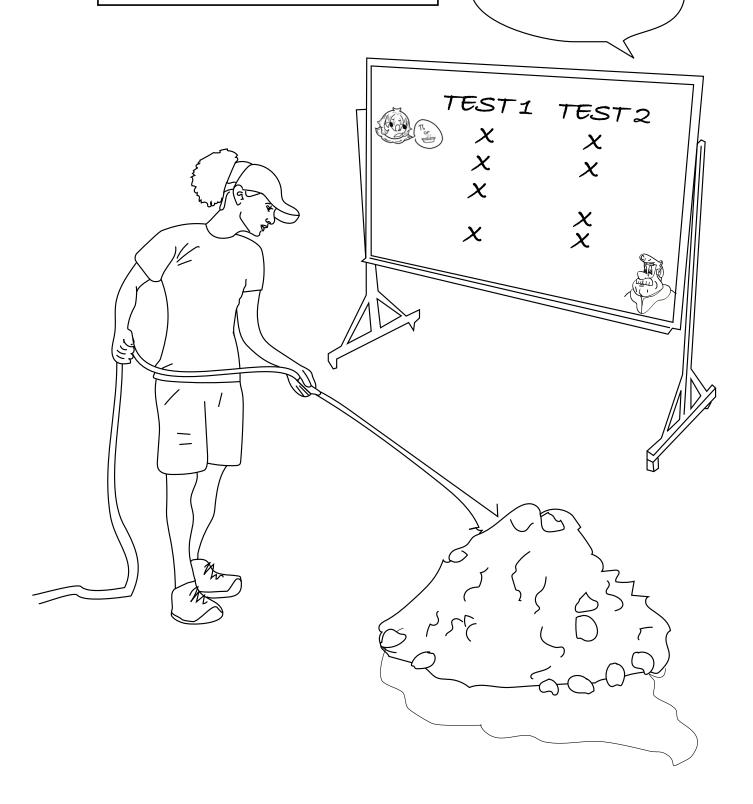
Geologists often sketch the rocks they see...you too could become a geologist!

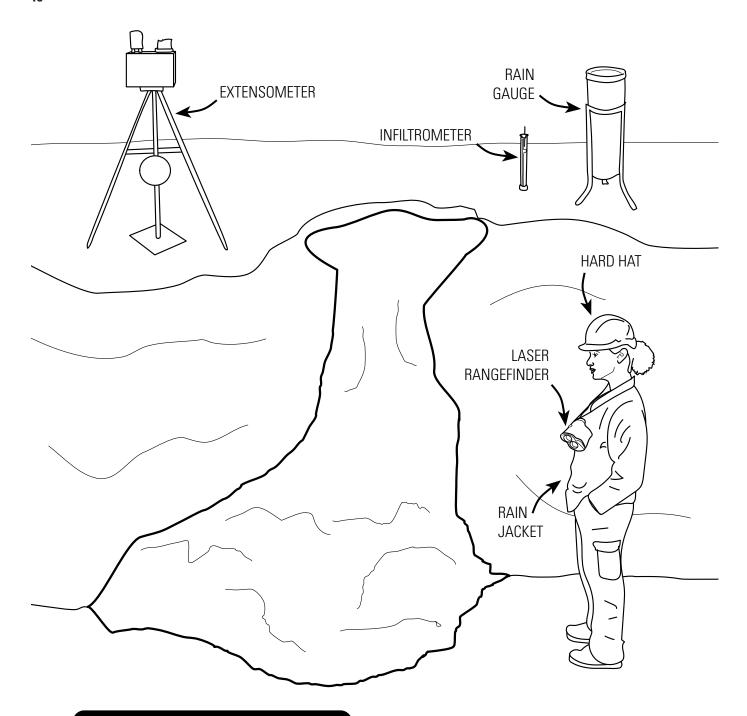
Look for an interesting rock outside and draw all the details you see (for example, crystals, layers, or fossils). Do you know what type of rock you have or where it came from?



When I say, "I study how water makes the ground move."







## **HELLO**

I AM A...

### **GEOMORPHOLOGIST**

Someone who studies Earth's surface features



It's not just rain that causes landslides, but also earthquakes, volcanic eruptions, and even human activity.

# **GEOMORPHOLOGIST**

#### ge-o-mor-phol-o-gist

What it is: Someone who studies the characteristics, origin, and change of Earth's surface features.

How it's said: GEE OH MORE FALL O JIST

What it means: The term "geomorphologist" means "someone who studies the shape of the Earth."

- geo- = Earth
- morpho- = shape
- -ology = study of
- -ist = person



#### **JOKING AROUND**

What makes mountains so funny? Because they are hill areas.

#### TEST YOUR SMARTS

- 1. Which is *not* a type of landslide?
  - a. Debris flow

c. Rockfall

b. Earthflow

- d. Rock throw
- 2. Which tool is *not* used to monitor landslide conditions?
  - a. Extensometer

c. Infiltrometer

b. Rain gauge

- d. Fathometer
- 3. What handheld tool is used to measure long distances?
  - a. Laser rangefinder

c. Velocimeter

b. Inclinometer

d. Densitometer

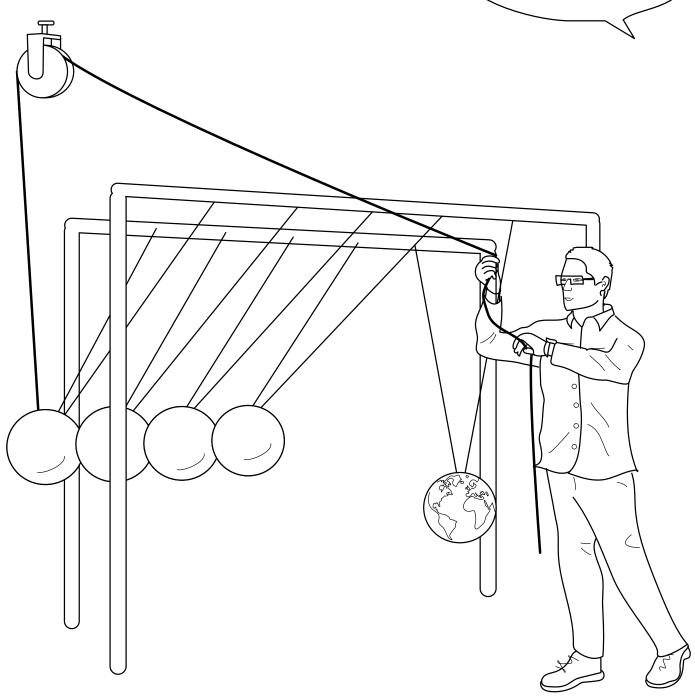
# WORD SCRAMBLE

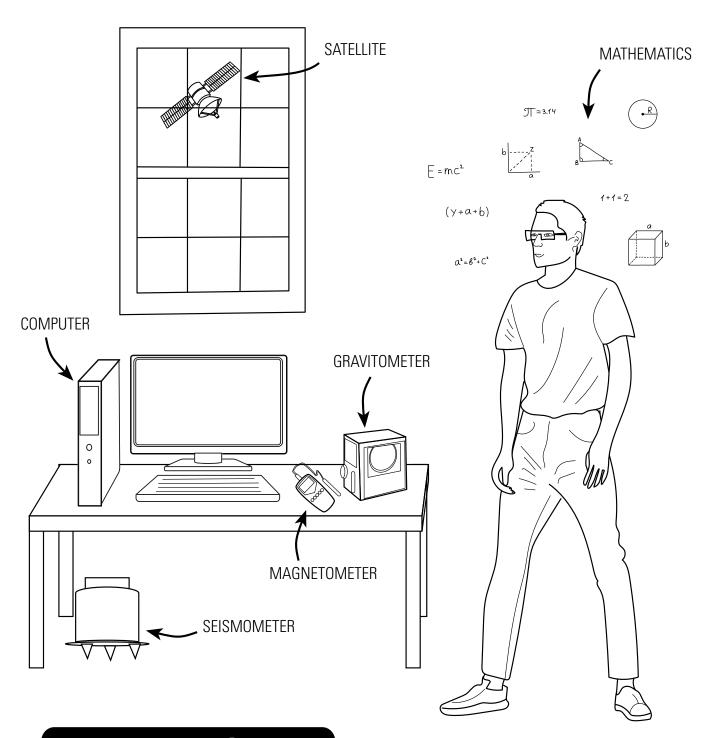
The answers are on page 49.

NERFLMTETRIOI	
TXMESNEETOER	
NIRA EGUGA	
RLASE RDIRNAEFENG	
NARI JEKATC	
OFRNLMDA	
DLLNESDIA	
ESIBRD OWLF	
WOAERLFHT	
RKACLFLO	

When I say, "I look at how different forces affect Earth."







### HELLO

I AM A...

### **GEOPHYSICIST**

Someone who studies the materials and energy of the Earth



#### **DID YOU KNOW?**

Earth's crust is made up of 15 large tectonic plates and many smaller microplates.

# **GEOPHYSICIST**

#### ge-o-phys-i-cist

What it is: Someone who studies the materials and energy of Earth and its atmosphere.

How it's said: GEE OH FIZZ IH SIST

What it means: The term "geophysicist" means "someone who describes the Earth's natural design."

- geo- = Earth
- physika- = natural things
- -ist = person



#### **JOKING AROUND**

What did one tectonic plate say to the other? Why so much friction?

### TEST YOUR SMARTS

1	\A/hat	ic tho	technical	nama f	or tho	northorn	liahte?
1	vvnat	is the	Technicai	name i	or the	normern	Hants (

a. Terram luminaria

c. Lumen lunae

b. Aurora borealis

d. Lacus aqua

- 2. What is directly affected by sunspots, solar storms, and space weather?
  - a. Telecommunications

c. Long-haul truck shipping

b. Umbrella manufacturing

d. Crop harvesting

- 3. When did scientists discover and describe plate tectonics?
  - a. 1660s

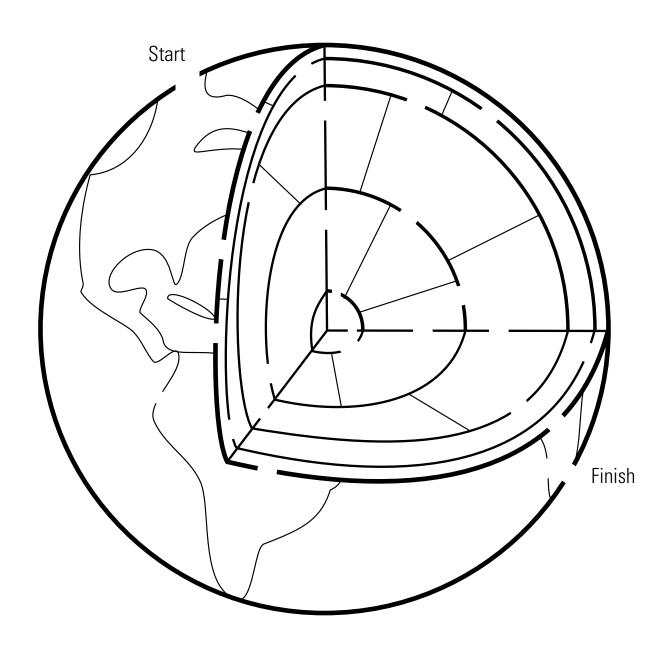
c. 1860s

b. 1760s

d. 1960s



The answer is on page 50.







# HYDROLOGIST

#### hy-drol-o-gist

What it is: Someone who studies where water is, its quality, and how it functions above and below ground.

How it's said: HI DRAWL OH JIST

What it means: The term "hydrologist" means "someone who studies water."

• hydro- = water

-ology = study of

• -ist = person



#### **JOKING AROUND**

What state does the Mississippi River flow in? Liquid.

### TEST YOUR SMARTS

- 1. At what temperature does water freeze?
  - a. 0 degrees Fahrenheit
  - b. 10 degrees Fahrenheit

- c. 32 degrees Fahrenheit
- d. 100 degrees Fahrenheit
- 2. What is the chemical name for water?
  - a. Sodium chloride (NaCl)
  - b. Dihydrogen monoxide (H<sub>2</sub>O)
- c. Sodium bicarbonate (NaHCO<sub>3</sub>)
- d. Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>)
- 3. What tool measures streamflow velocity?
  - a. Streamometer
  - b. Speedometer

- c. Odometer
- d. Velocimeter

# WORD SCRAMBLE

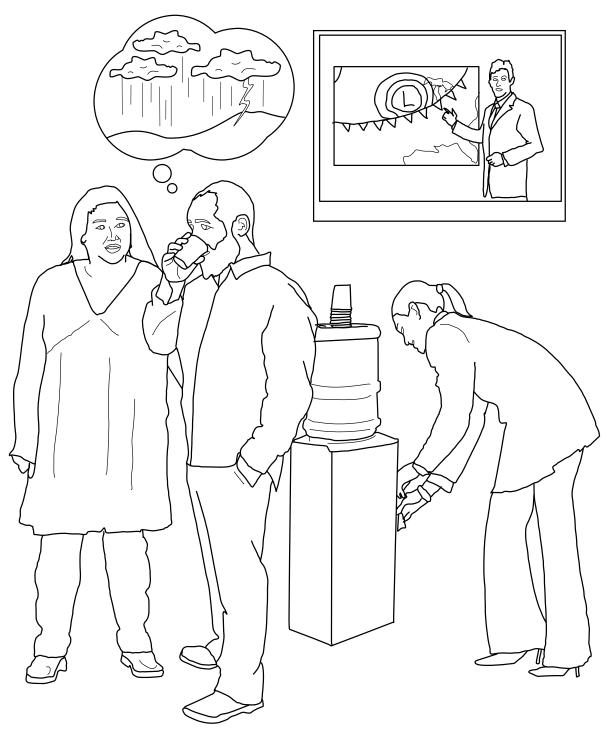
The answers are on page 50.

SMFAROTELW	
VEOTMELICRE	
DWAESR	
IEFL AKCTEJ	
ARETW-YQTUIAL SNROES	
LTBAET	
LOVEGS	
RRUBTITYA	
SEEHAWTDR	
GIHLYTDROOS	

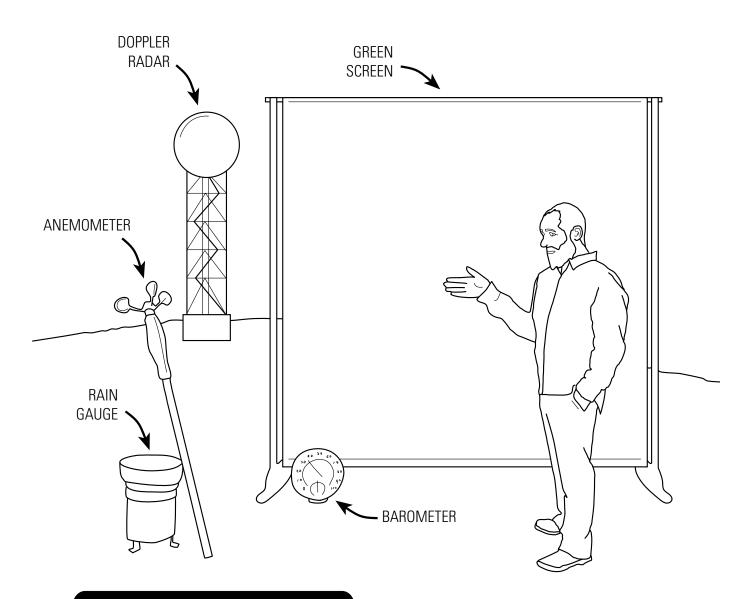
HYDROLOGIST TRIBUTARY
GLOVES VELOCIMETER
LIFE JACKET WADERS
STREAMFLOW WATER-QUALITY SENSOR
TABLET WATERSHED

When I say, "I talk about the weather all day."









### HELLO

I AM A...

### METEOROLOGIST

Someone who studies weather and climate



#### **DID YOU KNOW?**

The coldest temperature ever recorded on Earth was -128.6°F in Antarctica in 1983.

# METEOROLOGIST

#### me-te-o-ro-lo-gist

**What it is:** Someone who studies the atmosphere, weather, and the climate.

How it's said: ME TEE O RAH LOW JIST

What it means: The term "meteorologist" means "someone who studies things high up in the air."

- meteoron- = high up things
- -ology = study of
- -ist = person



#### **JOKING AROUND** –

What's the opposite of a cold front? A warm back.

### TEST YOUR SMARTS

- 1. What do we call the area in the United States that experiences the most tornadoes?
  - a. Twister belt

c. Windy ridge

b. F5 funtown

- d. Tornado alley
- 2. At what speed does a tropical storm become a hurricane?
  - a. 74 miles per hour

c. 127 miles per hour

b. 101 miles per hour

- d. 146 miles per hour
- 3. Which condition is *not* part of a "red flag warning" for increased wildfire activity?
  - a. Low humidity

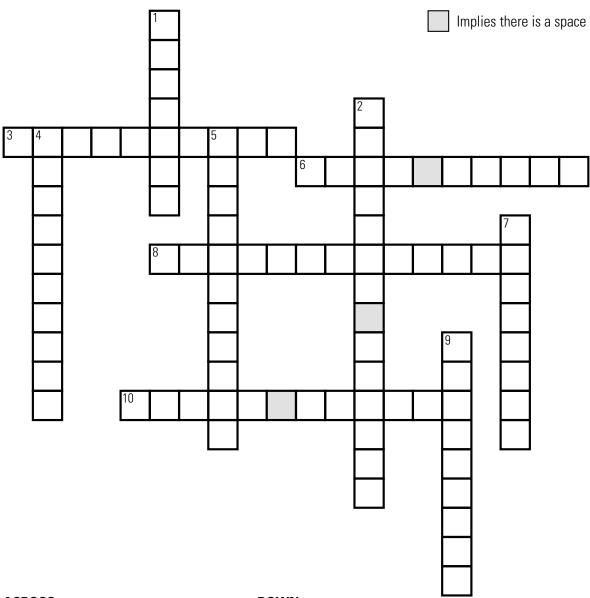
c. Warm temperatures

b. Time of day

d. Strong winds



The answers are on page 51.



#### **ACROSS**

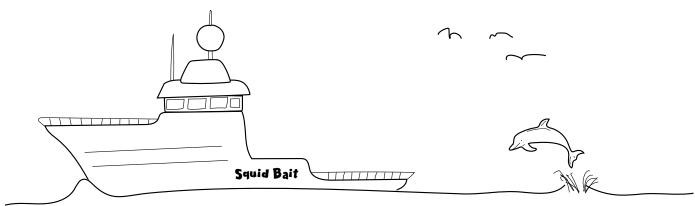
- **3.** Devices that fly around the Earth that collect weather information
- **6.** A scientific instrument for collecting and measuring the amount of rainfall
- **8.** Term that describes all rain, snow, sleet, or hail
- **10.** A person who follows and documents tornados and other extreme weather events

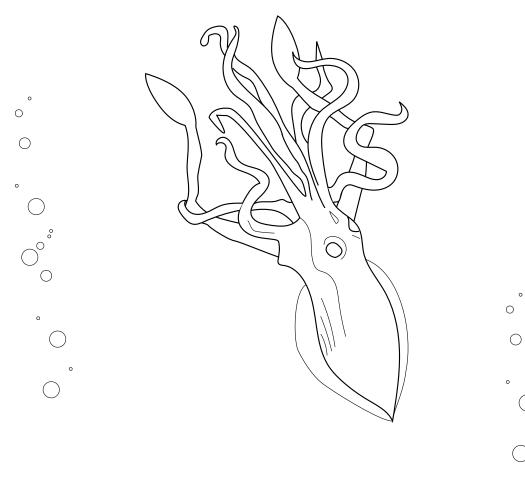
#### **DOWN**

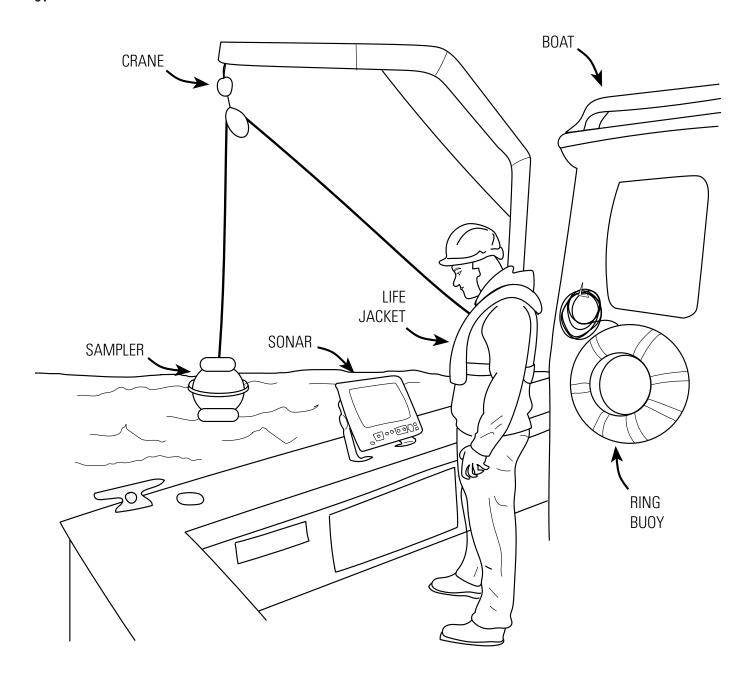
- **1.** Fluffy cloud formation with rounded tops and relatively flat bottoms
- **2.** Term for our planet's average weather conditions becoming more severe over the last several decades
- **4.** The layer of gases surrounding the earth or another planet
- **5.** Term to describe how hot or cold something is
- 7. The quantity of snow accumulated within a given area
- **9.** An instrument that measures atmospheric pressure, especially for forecasting the weather and determining altitude

When I say, "I explore the mysteries of the deep blue sea."









### **HELLO**

I AM AN...

### **OCEANOGRAPHER**

Someone who studies the ocean



#### **DID YOU KNOW?**

The blue whale is the largest animal to ever exist on Earth.

## **OCEANOGRAPHER**

#### O·cea·nog·raph·er

What it is: Someone who studies the water, plants, and animals of the ocean.

How it's said: OH SHUH NOG RAFF FER

What it means: The term "oceanographer" means "someone who describes the seas."

ocean- = the seas

-graphia = description

• -er = person



#### **JOKING AROUND -**

What did the ocean say to the shore? Nothing, it just waved.

### TEST YOUR SMARTS

4	1 A /I . I			
1	\/\/hich	ncan	ic tha	largest?
1.	VVIIIGII	occan	13 1110	iai ucst:

a. Pacific

c. Southern

b. Atlantic

d. Indian

2. What is the deepest part of the ocean?

a. Mariana Trench

c. New Britain Trench

b. Acapulco Trench

d. Milwaukee Deep

3. What percent of Earth's surface is covered by the ocean?

a. 25%

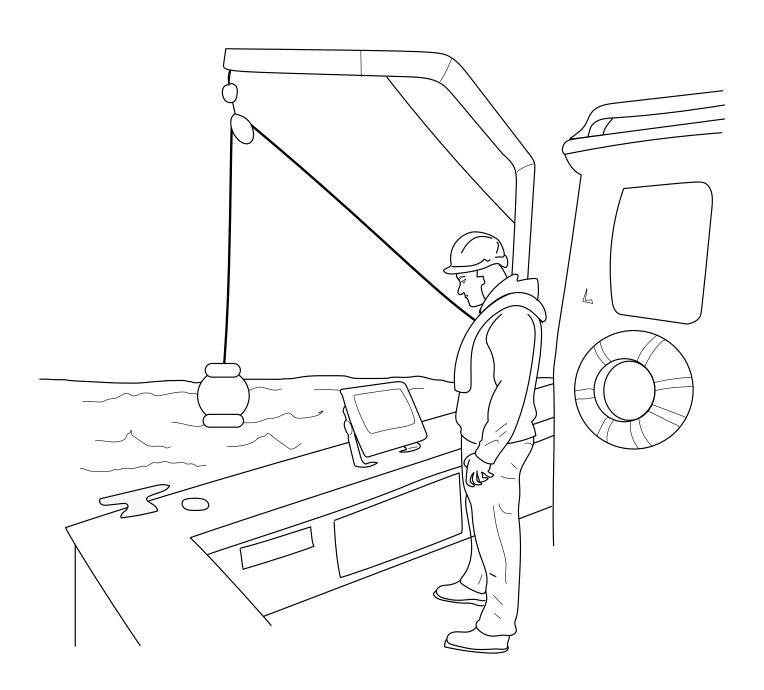
c. 70%

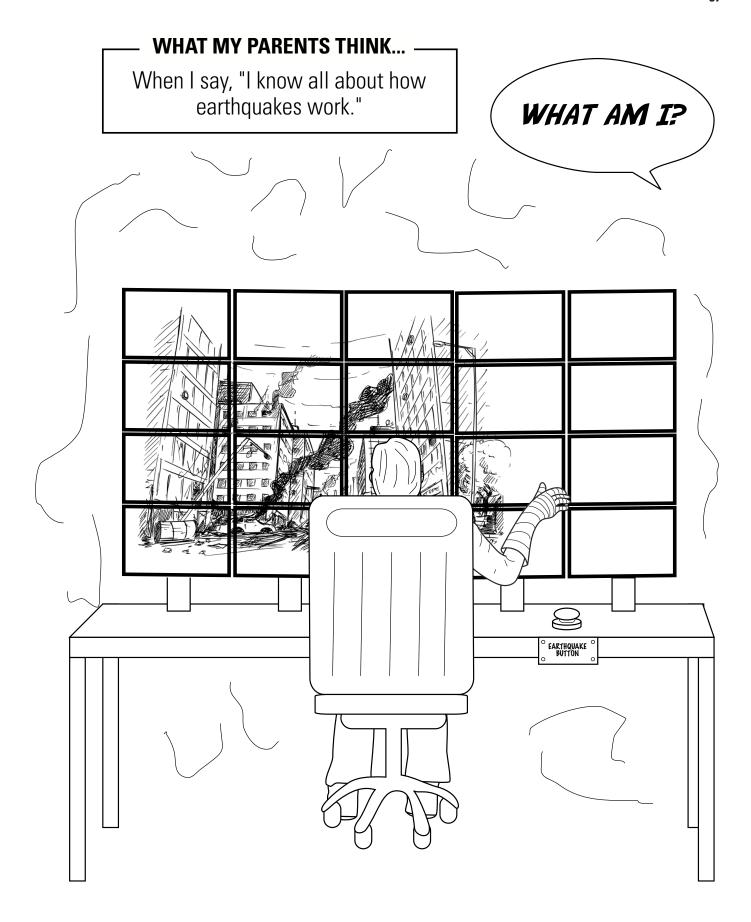
b. 50%

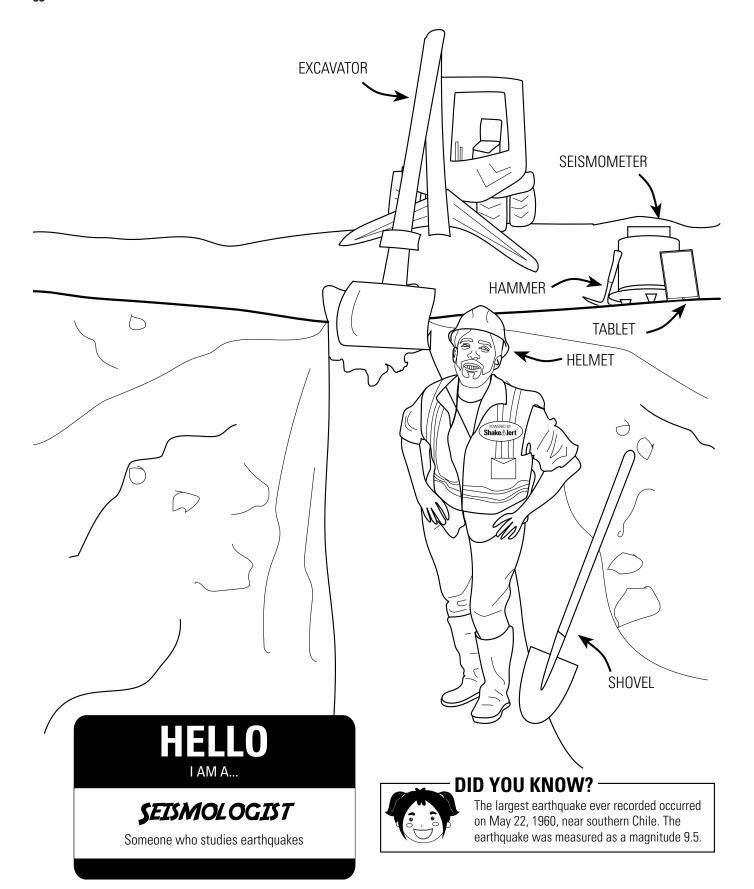
d. 90%

# WHAT'S MISSING?

Can you find the five items that are missing in this picture compared with the image on page 33? The answers are on page 51.







## SEISMOLOGIST

#### seis·mol·o·gist

What it is: Someone who studies earthquakes.

How it's said: SIZE MAUL OH JIST

What it means: The term "seismologist" means "someone who studies shaking."

- seismos- = shaking, shock
- -ology = study of
- -ist = person

Live in California,
Oregon, or Washington?
Sign up for
ShakeAlert for early
warning notifications
for earthquakes





#### **JOKING AROUND**

What is an earthquake's favorite type of music? Rock 'n roll.

#### TEST YOUR SMARTS

- 1. What are the series of small earthquakes after a large one called?
  - a. Subshocks

c. Foreshocks

b. Aftershocks

- d. Postnominals
- 2. How many detectable earthquakes occur each year around the world?
  - a. 500

c. 50,000

b. 5,000

- d. 500,000
- 3. Where was the biggest earthquake ever recorded in the United States?
  - a. Hawaii

c. Washington

b. Alaska

d. California

## WORD SEARCH

The answers are on page 51.

U	0	U	C	R	L	0	S	Н	A	K		N	G	C	T	0
0	M	F	E	U	Z	A	C	D	F	C	T	A	S	K	P	D
R	A	S	K	C	P	H	L	F	A	N	U	D	F		P	A
Q	G	Ε		E	P		C	Ε	N	T	E	R	J	D	W	F
0	N		0	D	A	T	A	P	0	R	V	U	C	P	E	T
P		S	T	R	C	R	I	T	N	0	G	H	F	A	Q	E
U	T	M	P	W	T	M	T	S	C	T	F	A	D	F	F	R
R	U	0	L	L	0	T	R	H	F	В	В	T	H	J	E	S
S	D	M	F	J	W	A	Q	A	Q	P	L	G	N	R	Q	Н
D	E	E	Ε	S	H	0	U	T	U	U	E	В	J	P	S	0
R	L	T	T	U	A	X	F	H	A	K	A	E	S	L	Н	C
X	L	E	A	0	M	G	F	F	S	0	G	K	C	U	0	K
L	V	R	K	K	M	C	G	T	L	C	P	R	E		V	K
A	W	J	R	S	E	V	U	U	H	R	Q	Q	N	0	Ε	R
T	R	E	M	0	R	D	Z	I	E	A	G	Н	J	Ε	L	Y
S	В	0	K	T	Z	0	S	J	I	H	U	V	E	F	Н	G

AFTERSHOCK
LEARTHQUAKE
EPICENTER
FAULT
HAMMER

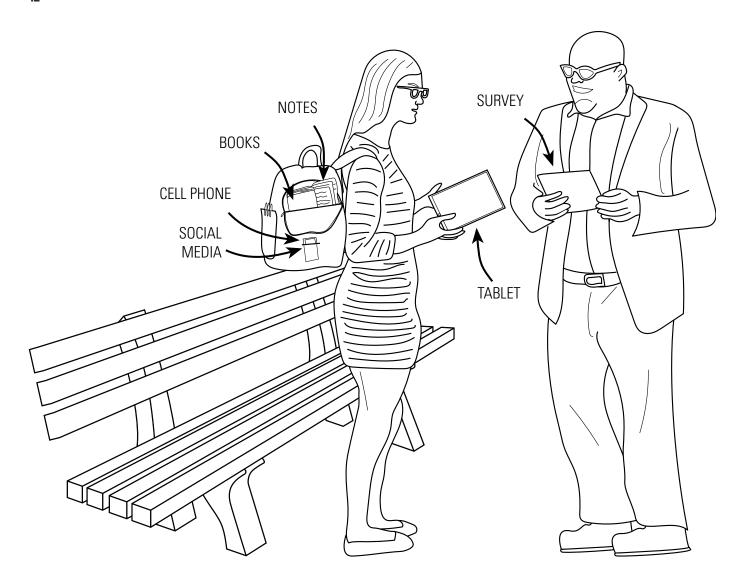
MAGNITUDE SEISMOMETER SHAKING SHOVEL TREMOR

#### WHAT MY PARENTS THINK... -

When I say, "I try to figure out why people act the way they do."







### **HELLO**

I AM A...

SOCIOLOGIST

Someone who studies human behavior



#### **DID YOU KNOW?**

Fear causes one of four responses: Fight, Flight, Freeze, or Fawn.

## SOCIOLOGIST

#### so·ci·ol·o·gist

What it is: Someone who studies how people behave in groups or around others.

How it's said: SO SEE AUL OH JIST

What it means: The term "sociologist" means "someone who studies the people around them."

- socius- = companion, ally
- -ology = study of
- -ist = person



#### **JOKING AROUND -**

Why do teens travel in groups of 1, 3, or 5? Because they "can't even."

### TEST YOUR SMARTS

1.	Most people in	n the United St	ates can connect	to a s	tranger by	how many of	degrees of	t separation	!
----	----------------	-----------------	------------------	--------	------------	-------------	------------	--------------	---

a. 6

c. 75

b. 19

d. 352

2. In which type of natural disaster are people advised to "drop, cover, and hold?"

a. Volcanic eruption

c. Earthquake

b. Flood

d. Wildfire

3. What is often credited as the largest gathering of people in United States history?

a. March on Washington, 1963

c. New Year's Eve, New York, 2000

b. Apollo 11 astronaut parade, 1969

d. Chicago Cubs victory rally, 2016

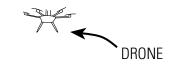
## SUDOKU

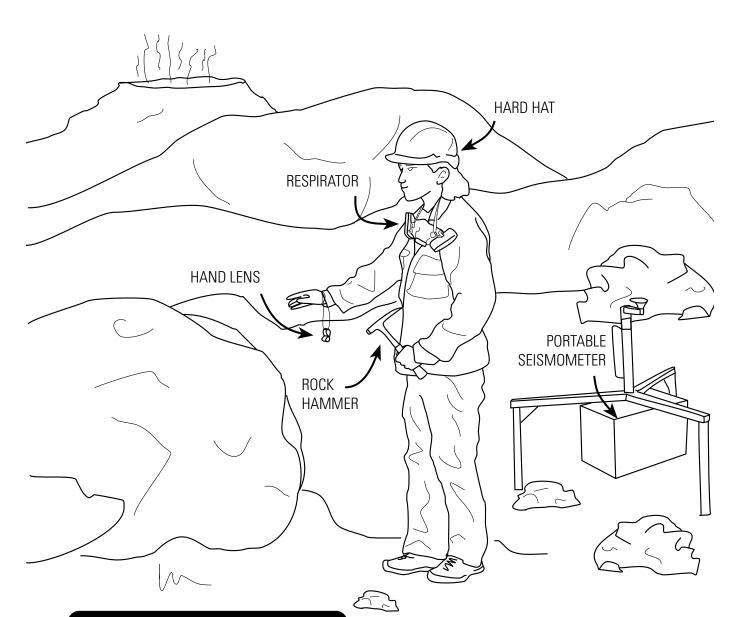
Fill every box with a number so that each row, column, and 3×3 grouping contains all the numbers from 1 to 9 without repeating any. The answers are on page 51.

	6	1	9	3		7	8	
3	5		7		8	6		9
8		9		6	1		4	5
1		5	4	2		9	6	
	4	7		1	9	5		8
9	2	3	5		6		7	4
5	3	8	1	7		4	9	
2		4	6	9	3	8		7
7	9			5	4		3	1

		F	ROV	V		
COLUMN	•	GRC	3x3 )UP	IN(		







### **HELLO**

I AM A...

### **VOLCANOLOGIST**

Someone who studies volcanoes



### **DID YOU KNOW?**

Volcanoes are classified as active, dormant, or extinct.

47

## VOL CANOL OGIST

#### vol·can·o·lo·gist

What it is: Someone who studies volcanoes.

How it's said: VOLL CAN AH LOW JIST

What it means: The term "volcanologist" means "someone who studies the Roman god of fire."

- Vulcan- = Roman god of fire
- -ology = study of
- -ist = person

47

The Volcano
Notification Service
sends you email
updates about
volcanoes in the U.S.





#### **JOKING AROUND**

Why are volcanoes so mischievous? Because they are erupt to no good.

#### TEST YOUR SMARTS

- 1. Which of these is *not* a type of volcano?
  - a. Shield volcano

c. Cinder cones

b. Composite volcano

- d. Lava mounds
- 2. What U.S. state is the most volcanically active?
  - a. Alaska

c. Washington

b. Hawaii

- d. California
- 3. Which volcanic rock looks like dark broken glass?
  - a. Obsidian

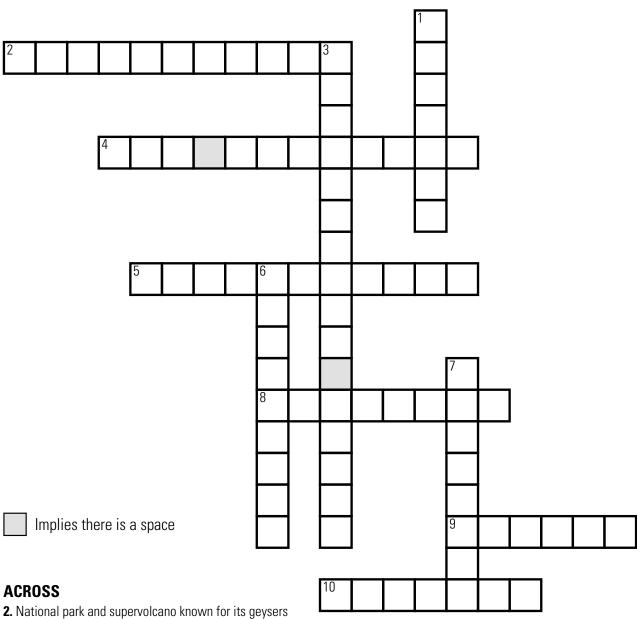
c. Pumice

b. Basalt

d. Rhyolite



The answers are on page 50.



- and hot springs
- 4. Famed U.S. geyser named for its frequent and somewhat predictable eruptions
- 5. Type of eruptive flow characterized by hot gases, ash, and explosive rock fragments
- 8. Rock made ofblack or dark-colored volcanic glass
- **9.** American island chain formed by hot spot volcanism
- **10.** Volcanic collapse feature formed when the underlying magma chamber partially empties

#### **DOWN**

- **1.** An elongated surface fracture or crack
- 3. Frequently occurring small earthquakes, often indicating an increase in volcanic activity
- 6. A volcanic cone made up of both lava and ash deposits
- 7. A lava flow with a smooth, billowy, or ropy surface

#### Puzzle answers

Pg. 4—Camera strap, broken vase, eyebrow, glasses, shovel handle

2	3 (	5	4	8	7	1	9	6
9	8	7	6	$\bigcirc$	2	4	5	3
1	4	6	3	5	9	8	(2)	7
7	6	4	$\bigcirc$	9 (	3	2	8	5
5	1	8	2	$\overline{7}$	4	6	3	9
3	9	2	8	6	5	7	4	1
4	2	1	9	3	6	5	7	8
6	7	9	5	4	8	3	1	2
8	5	3	7	2	1	9	6	4

Pg. 8

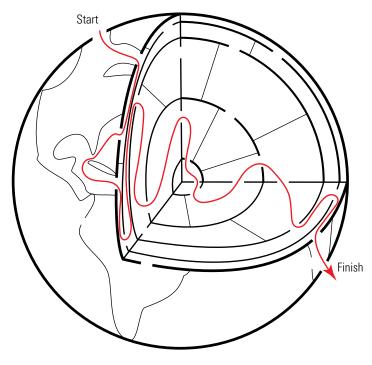
NERFLMTETRIOI
TXMESNEETOER
NIRA EGUGA
RLASE RDIRNAEFENG
NARI JEKATC
OFRNLMDA
DLLNESDIA
ESIBRD OWLF
WOAERLFHT
RKACLFLO

K	Q	P	M	R	G	U	D	S	R	В	T	A	0	U	C	R
(W)	S	I	C	Ε	Н	B(	S	U	R	V	Ε	Y	0	R	<b>)</b> F	U
0	C	0	L	K	X	W	U	D	R	K	C	P	W	A	G	$\langle \mathbf{T} \rangle$
R	G	U	D	L	0	G	H(	M	A	P	S	Y	Ρ	G	Н	Α
L		J	A	F	C	F	Α	O	E	0	S	F	W	C	J	В
$\backslash \mathbf{D}$	Υ	R	G	<b>Q</b> (	G	G	U	D	R	K	C	0	S	F	K	L
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Y	_	0						<u> </u>	<u> </u>	G	IA	/п	V	J	VV	K
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N	В	Ť	U	I	E	X	P	L	0	R	E	)C	J	ĩ	H	F
					_						_					

Pg. 12

Infiltrometer
EXTENSOMETER
RAIN GAUGE
LASER RANGEFINDER
RAIN JACKET
LANDFORM
LANDSLIDE
DEBRIS FLOW
EARTHFLOW
ROCKFALL

#### Puzzle answers



Pg. 24

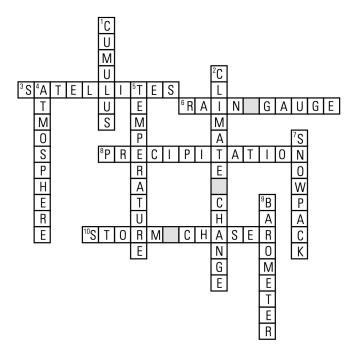
SMFAROTELW	STREAMFLOW
VEOTMELICRE	VELOCIMETER
DWAESR	WAPERS
IEFL AKCTEJ	LIFE JACKET
ARETW-YQTUIAL SNROES	WATER-QUALITY SENSOR
LTBAET	TABLET
LOVEGS	GLOVES
RRUBTITYA	TRIBUTARY
SEEHAWTDR	WATERSHED
GIHLYTDROOS	HYDROLOGIST
	· · · · · · · · · · · · · · · · · · ·

Pg. 28

GCTO

#### Puzzle answers

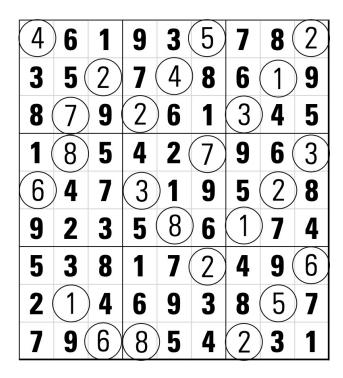
Pg. 35—Cleat hole, life jacket belt, ring buoy belt, sampler ring, sonar keyboard

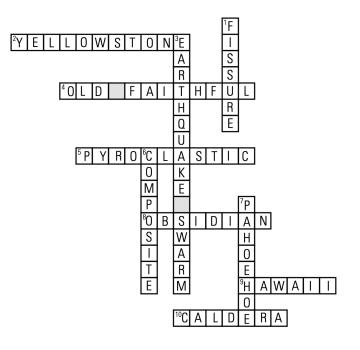


Q G Ε T R S Q D S 0 H|C K S Ε R Ž Q S HUVΕ

Pg. 32

Pg. 40





Pg. 41 Pg. 42



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