

# LET'S BE PREPARED!

PREPAREDNESS AMBASSADORS  
**ACTIVITY BOOK**



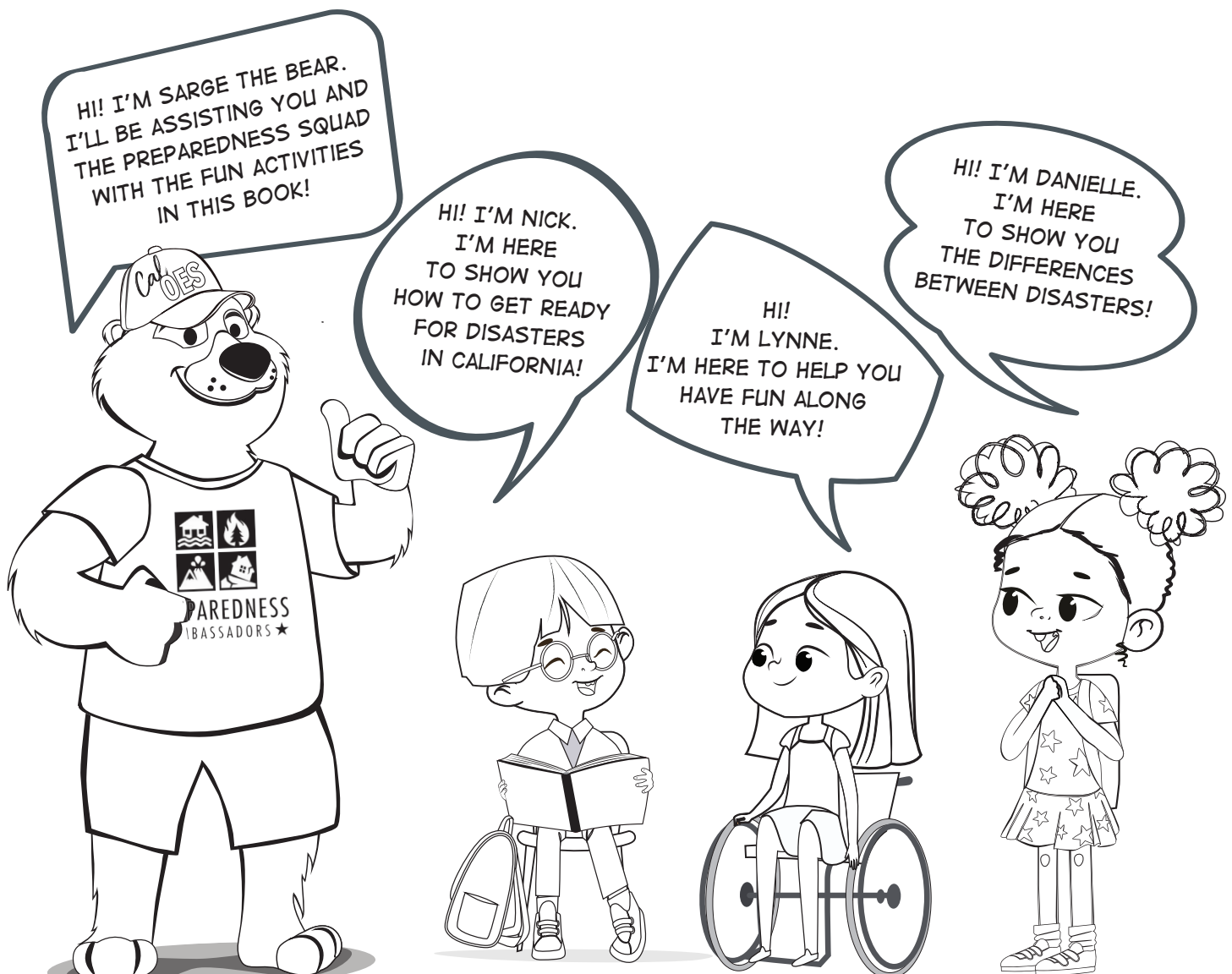


# WHAT ARE DISASTERS?

Floods, tsunamis, earthquakes, wildfires, power outages, volcanoes, and tornadoes are types of disasters that can occur in California.

Disasters can cause destruction and lead to serious injuries, illnesses, and confusion. Learning about disasters and being prepared can help reduce harmful effects on people.

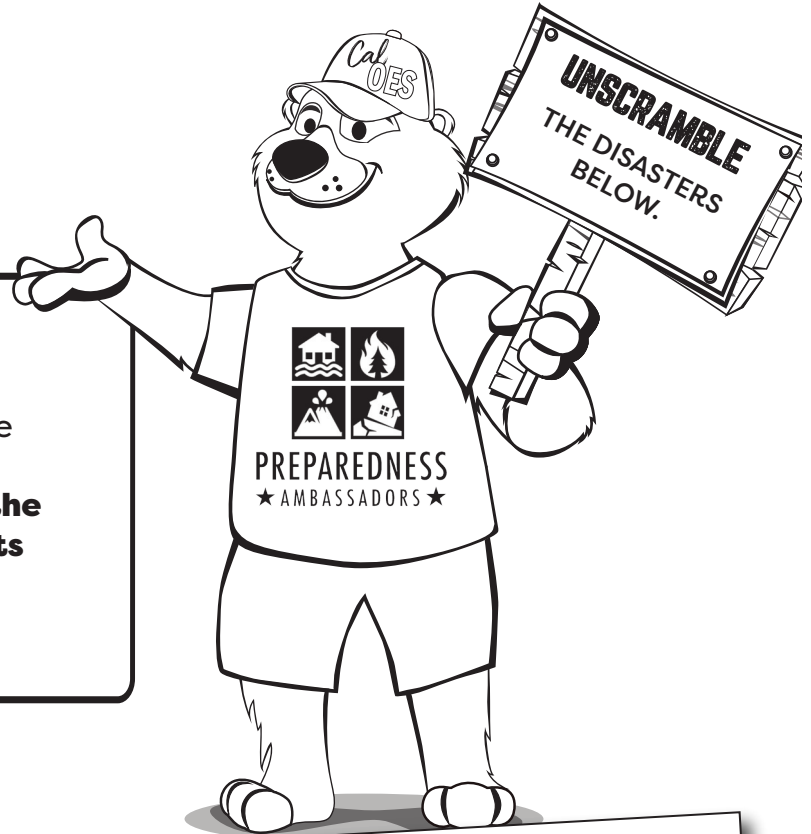
## MEET THE **PREPAREDNESS SQUAD**





## DISASTER DETECTORS

Read each disaster definition. Sarge the Bear has given you the names of the disasters, and your job is to **unscramble the name of the disaster and match it to its definition.**



1. \_\_\_\_\_ This disaster can be caused by storms that bring in large amounts of rain and cause water levels to rise.
2. \_\_\_\_\_ This disaster has large ocean waves created by an earthquake that happens under or near the sea.
3. \_\_\_\_\_ You can feel the ground shake when this disaster happens.
4. \_\_\_\_\_ This disaster spreads quickly across large areas of land and causes heat and smoke.
5. \_\_\_\_\_ This event can affect many areas of life – like watching TV or turning on the lights.
6. \_\_\_\_\_ Ash and fallout from this disaster can affect the air quality for a long time.
7. \_\_\_\_\_ This disaster produces high winds that can cause risk to people from flying and falling objects.

odolf FLOOD

coolnav

wrope goutea

rodotan

raeqhuetake

lidw ifer

umanist



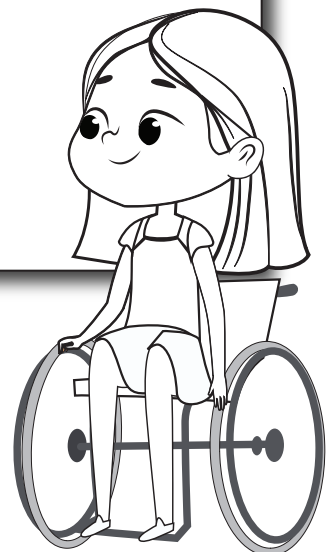
# EARTHQUAKE FACTS



An **earthquake** is an intense shaking of the ground caused by movement of the Earth's crust.



- Earthquakes are one of the most destructive disasters because of their magnitude and how common they are in California.
- The California Earthquake Authority states there are over 500 active faults and a total of 15,700 faults in the state.
- Most people in California live within 30 miles of a fault line.
- There is over a 99% chance that a magnitude 6.7 earthquake will occur in California.

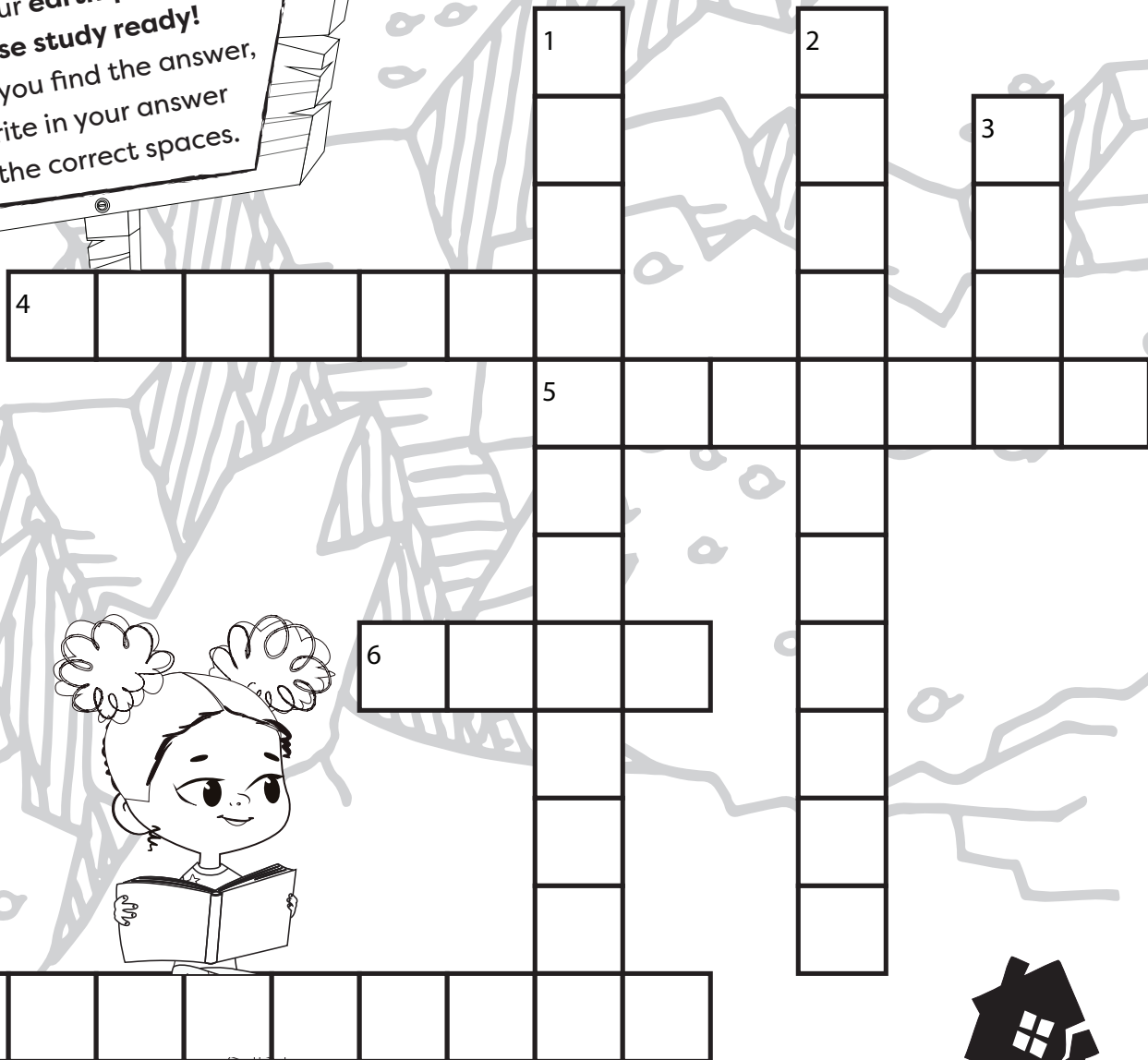




# QUAKE AND SHAKE CROSSWORD

IT'S TIME TO TEST YOUR  
**EARTHQUAKE KNOWLEDGE!**

Have your **Family Readiness Guide** and your **earthquake case study** ready!  
Once you find the answer, write in your answer in the correct spaces.



## DOWN

1. A scientist who studies earthquakes.
2. These are what happen when we experience intense shaking of the ground that occur along fault lines.
3. This is what you must do to the wheels of your wheelchair when in an earthquake.

## ACROSS

4. Identifying these things is the first step in the "Seven Steps to Earthquake Safety."
5. The name of this Early Earthquake Warning app sends out alerts when the shaking creates damages after a 4.5 magnitude earthquake.
6. This, along with Cover and Hold On, is what you would do if you experience an earthquake.
7. Another word for an earthquake's strength.



# TSUNAMI FACTS



A **tsunami** is a large ocean wave created by an earthquake that happens under or near the sea.

## Warning Signs of a Tsunami:



- Sometimes a tsunami wave pulls the water out to sea before it rushes back towards land.
- A sound of a tsunami can be loud and sound like water is “roaring” (louder than regular ocean waves when you visit the beach).



- If any or all of these things happen, move away from the ocean and go to high ground (hills or high buildings if possible) as fast as you safely can.

- Don't wait for all of the warning signs to happen – one could mean a tsunami is coming.

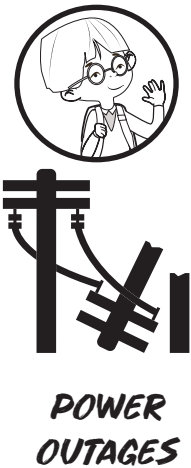
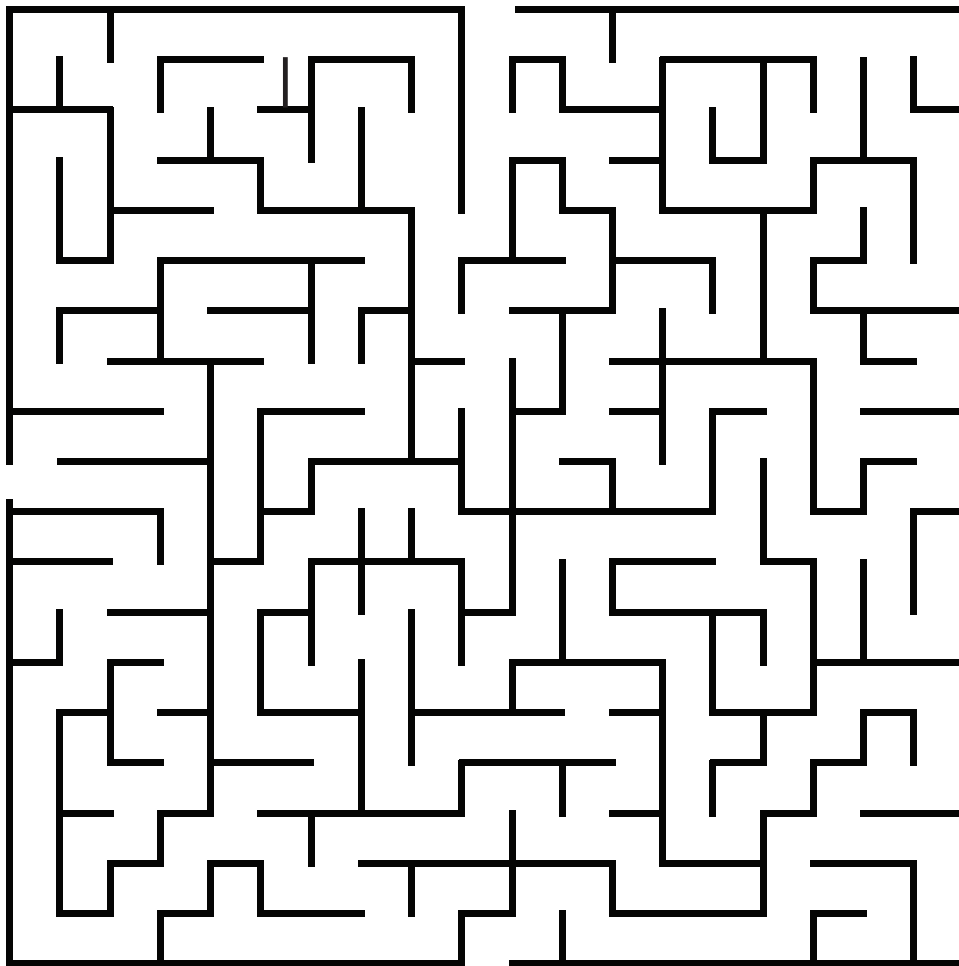


# NAVIGATING THE TSUNA-MAZE

GET THE TEAM TO HIGHER GROUND...

## COMPLETE THE MAZE!

Help Nick, Lynne, and Danielle find their way to higher ground by completing the maze. Each member has a different starting point on the maze, so each path will look a little different. **Good luck!**





# WILDFIRE FACTS



A **wildfire** is a large, destructive uncontrolled fire that spreads quickly over woodland or brush.



- It is very common for wildfires to spread quickly over large areas in California.
- Many people live in or near fire hazard areas.
- A building-to-building fire is when a fire starts in one building and spreads to the next building.

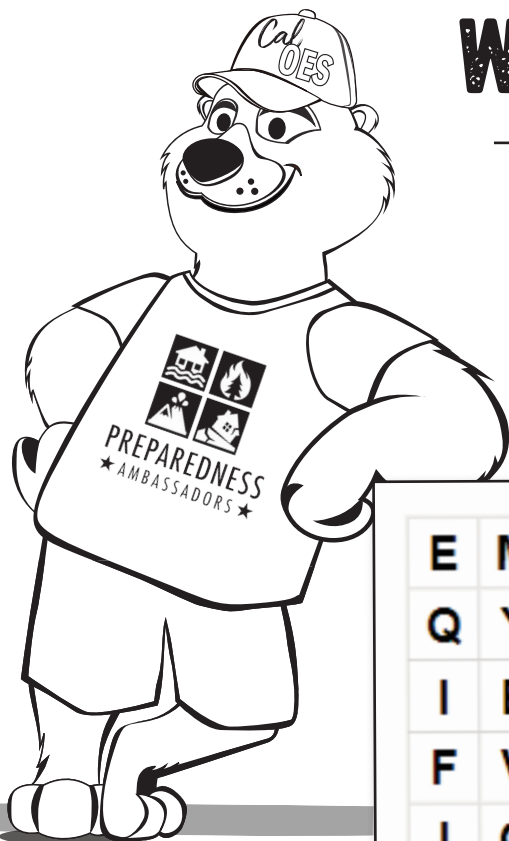


## Steps you can take to be prepared for wildfires:

- Remove dried leaves and branches around your home.
- Evacuate when you are told to evacuate.
- Locate your pets, and take them with you.



# WILDFIRE WORD SEARCH

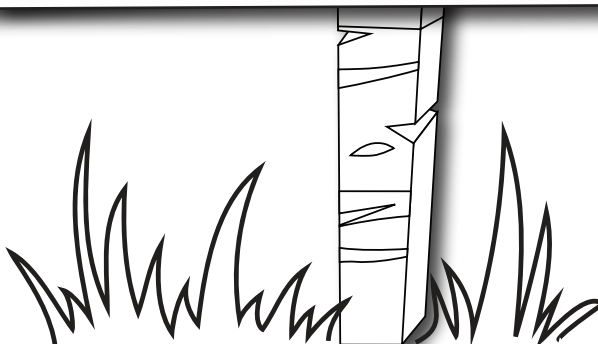


Sarge the Bear needs your help! Find the words from your word list in the word search and circle the word when you find it. Some words will be listed diagonally, horizontally, up, and down. For example, "FOREST" is already circled for you. **GOOD LUCK!**

## WORD LIST:

ACRES  
RURAL  
SMOKE  
FIRSTRESPONDER  
WEATHER  
WINDY  
DRY  
FIREFIGHTER  
ALERT  
FOREST

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





# POWER OUTAGE FACTS



A **power outage** is when electrical power goes out.



- A **Public Safety Power Shutoff** is when the power companies turn off electricity to prevent wildfires.
- A **power outage** is when the electricity goes out.
- **Power outages** can affect every person in the state, including those across state lines, depending on where their power comes from.
- An example of an **unplanned power outage** can happen from a heavy storm or earthquakes.
- Sometimes homes are **out of power** for a long time.







# YOUR SECRET POWER DECODER

Grab your flashlight, and get ready to decode. Write in your answer in the correct spaces. Some of the letters have already been started for you.



## 3 CLUES



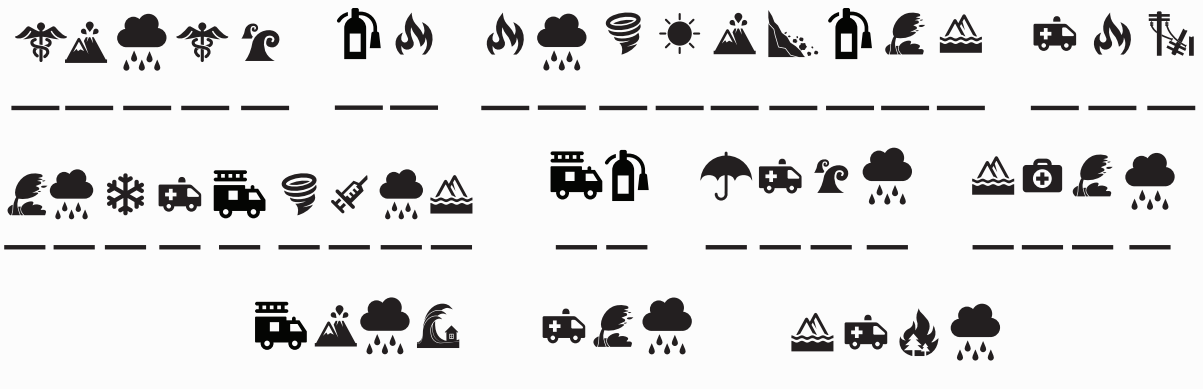
## 2 CLUES



## 1 CLUE



## NO CLUES





# FLOOD FACTS



A **flood** is an overflow of water on land that is normally dry.



- A **Flood Advisory** is when the predicted weather could disrupt your day. The weather could cause many problems and if you are not careful, it could be dangerous for you or your home.
- A **Flood Watch** is when it is very likely for flooding to occur.
- A **Flood Warning** is when hazardous weather will happen or is already happening.
- A **Flash Flood Warning** is when a flash flood will happen or is already happening.



## FLASH FLOOD TIP:

If you are near a flood,  
don't wait and move to an area  
that's higher than the flooded area.

**TURN AROUND – DON'T DROWN!**





# FIND THE EMERGENCY SUPPLIES

Sometimes floods can be dangerous, and we have to leave our homes to be safe. Help Sarge and the Preparedness Squad find the items in the picture to make their emergency go-kits complete!

**Circle each item and color them in when you find an item!**



Flashlight



Batteries



Food



Medication



Pet Supplies



First Aid Kit



Blankets



Radio



Water





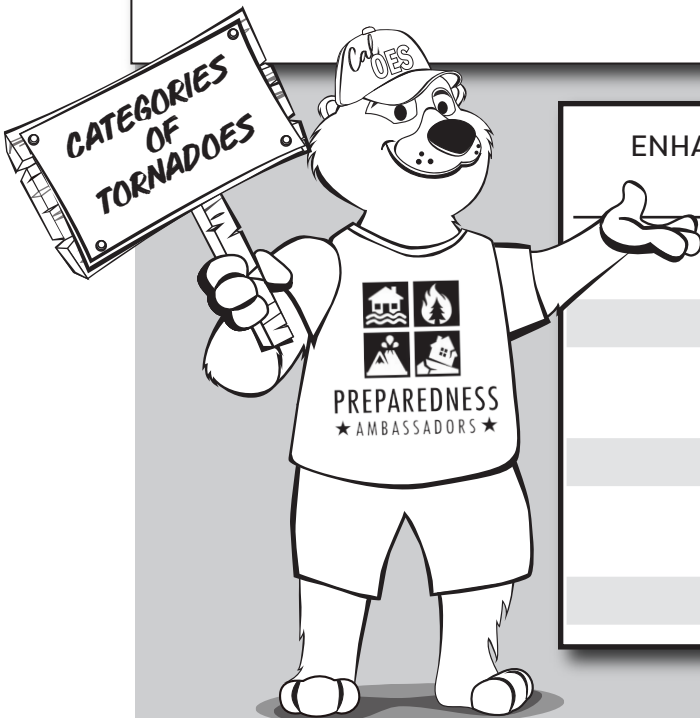
# TORNADO FACTS



A **tornado** is a violent wind storm consisting of a tall column of air that spins around very fast and can cause damage.



- Tornadoes here in California are not as threatening as the ones seen in the Midwest states like Oklahoma but should still be considered dangerous.
- Most California tornadoes last only a few minutes or less and cause very little damage; however, wind speeds near a tornado event can still cause bodily harm with flying objects.
- In recent history, most tornadoes have been reported in the Central Valley, usually in areas with some populations.
- **Tornado Watch** means a Tornado is possible; be prepared.
- **Tornado Warning** means a Tornado is expected; seek shelter.



ENHANCED FUJITA (EF) SCALE EF Category Number	WIND SPEED (mph)
0	65 - 85
1	86 - 110
2	111 - 135
3	136 - 165
4	166 - 200
5	200+

# TAME THE TORNADO

Oh no! Looks like a tornado scrambled all the words on the page and now must be unscrambled to figure out the secret message left by Sarge the Bear. **Unscramble each word and place the letter inside the circle into the blank spaces of the secret message.** Good luck!

1. GRWNAIN \_\_\_\_\_ ○

2. DAIOR \_\_\_\_\_ ○

3. INWYD \_\_\_\_\_ ○

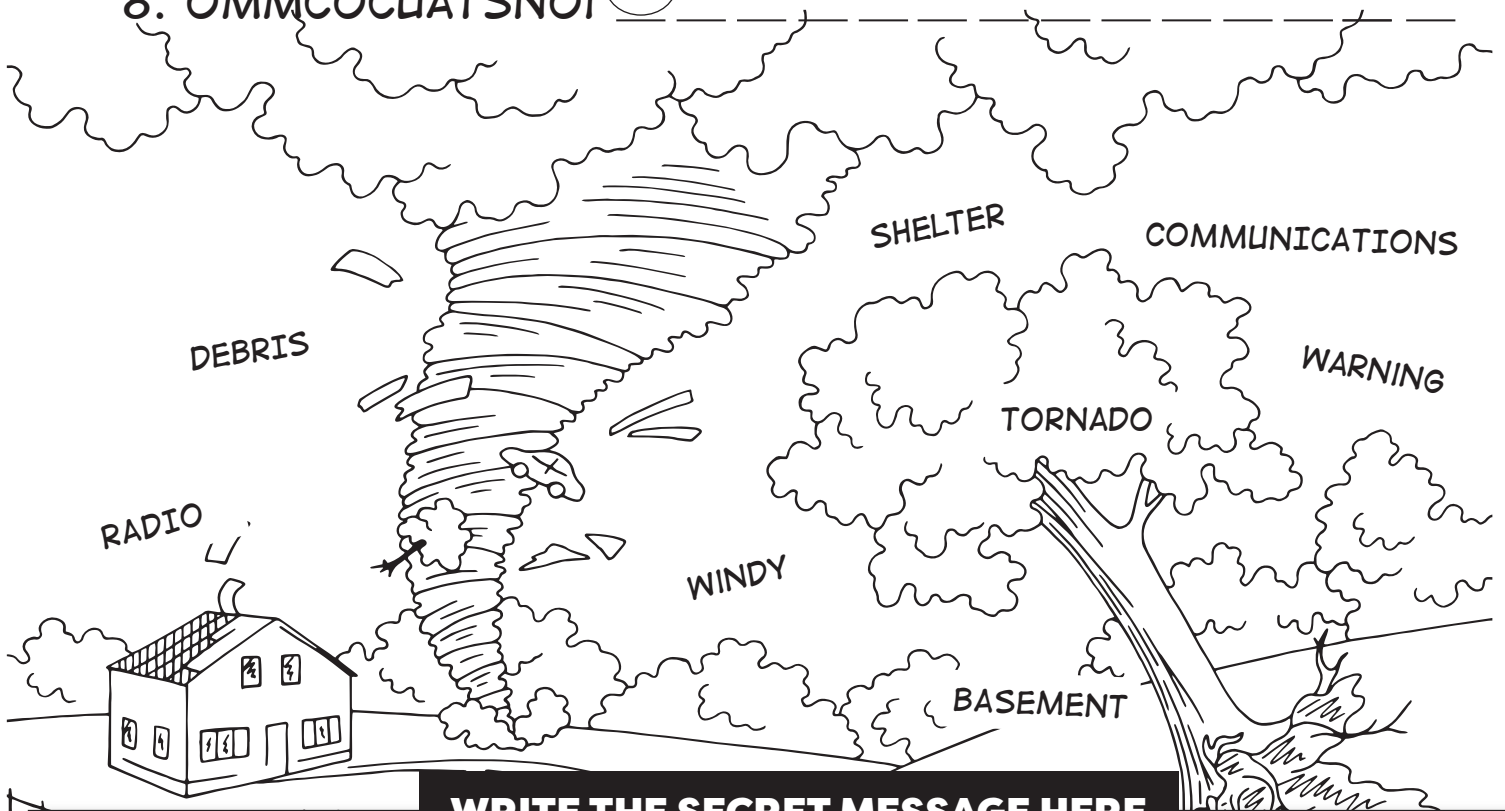
4. RNDATO \_\_\_\_\_ ○

5. SEABTMNE \_\_\_\_\_ ○

6. ERISBD \_\_\_\_\_ ○

7. TLHESRE \_\_\_\_\_ ○

8. OMMCOCUATSNOI \_\_\_\_\_ ○



**WRITE THE SECRET MESSAGE HERE**

\_O    T\_    \_OU\_    \_AF\_    P\_A\_E



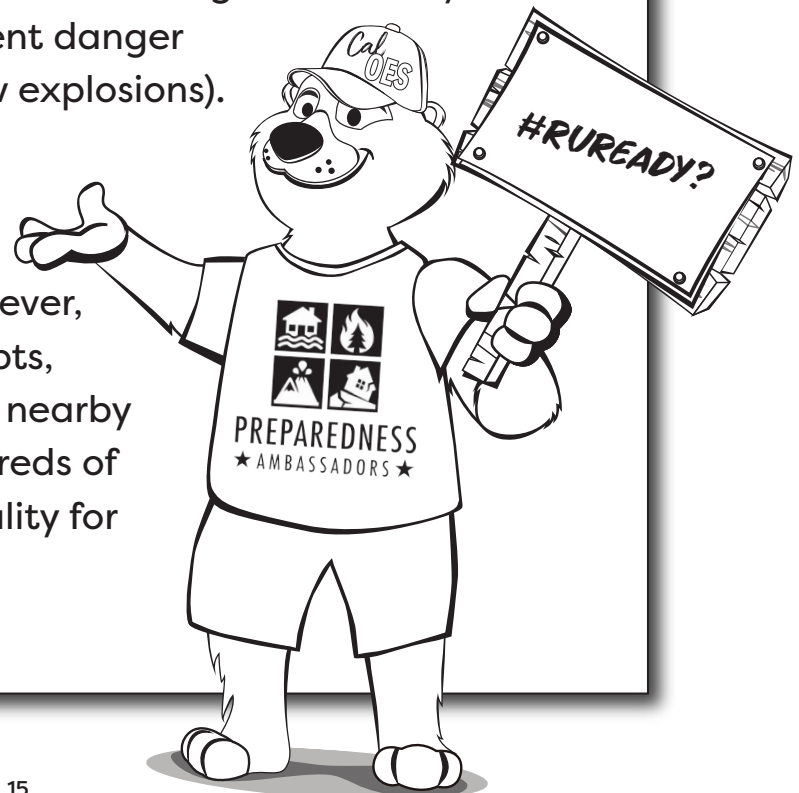
# VOLCANO FACTS



A **volcano** is a mountain that opens downward to a pool of molten rock below the surface of the earth.



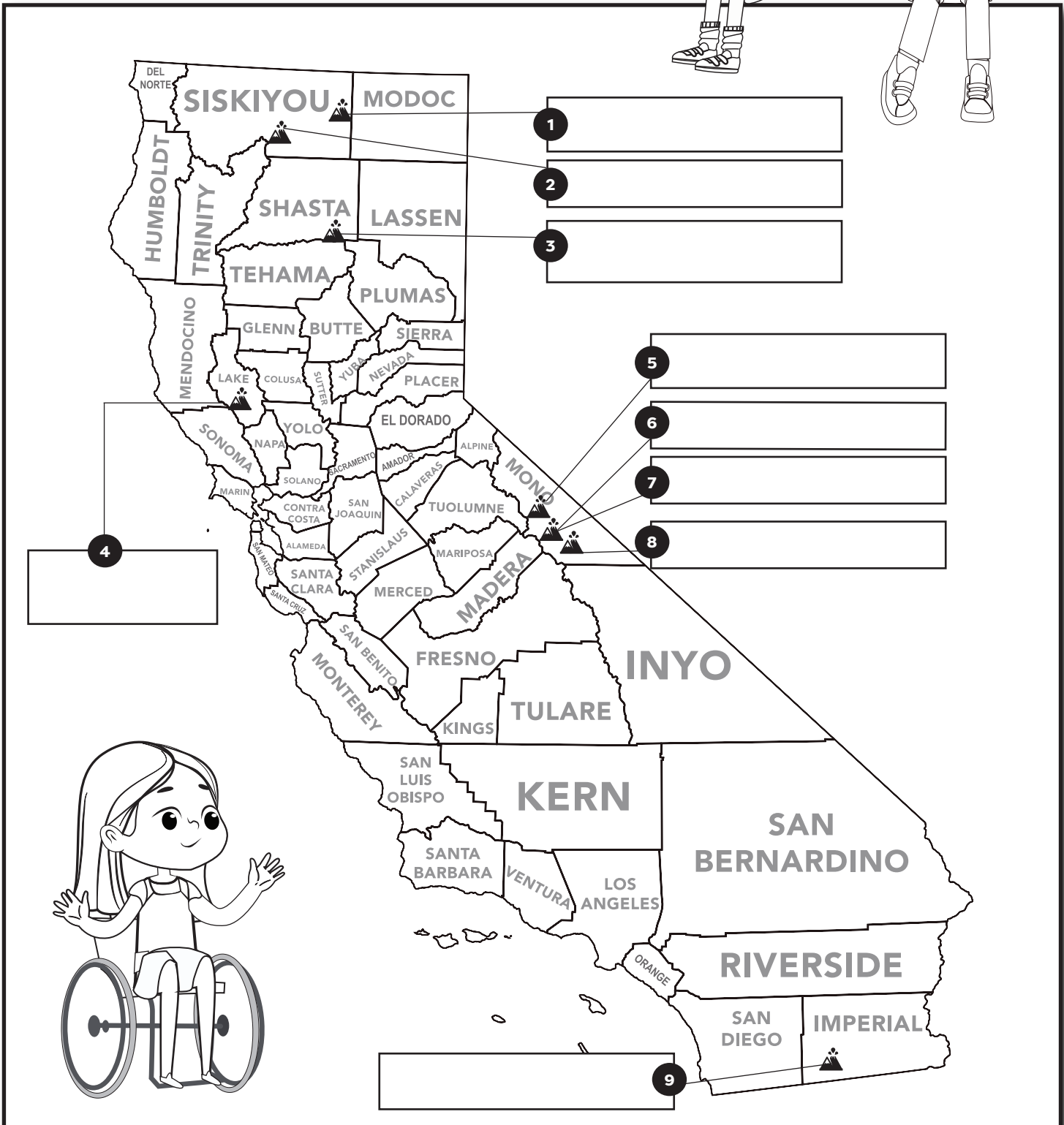
- A Volcanologist is a scientist that studies volcanoes.
- California is home to dozens of volcanoes with three of them listed as “Very High Threat.”
- About 10 eruptions have occurred in the past 1,000 years, making the probability of an eruption about once every 100 years.
- Many of California’s volcanoes show signs of activity daily—without any imminent danger (small earthquakes to slow explosions).
- Those living nearest a volcano should know the hazards of a volcano; however, if a California volcano erupts, ash and fallout can affect nearby states and travel for hundreds of miles affecting the air quality for long periods of time.





# NAME THAT VOLCANO

**Can you name all of California's high risk volcanoes?** Have your volcano case study handy, and use Cal OES's map to fill in the blanks!



# ANSWER KEY



## DISASTER DETECTORS

1. **FLOOD** This disaster can be caused by storms that bring in large amounts of rain and cause water levels to raise.
2. **TSUNAMI** This disaster are large ocean waves created by an earthquake that happens under or near the sea.
3. **EARTHQUAKE** You can feel the ground shake when these disasters happen.
4. **WILD FIRE** This disaster spreads quickly across large areas of land and causes heat and smoke.
5. **POWER OUTAGE** This event can affect many areas of life – like watching TV or turning on the lights.
6. **VOLCANO** Ash and fallout from this disaster can affect the air quality for a long time.
7. **TORNADO** This disaster produces high winds that can cause risk to people from flying and falling objects.

**odolf** flood

coolnav volcano

**wrope goutea**  
power outage

**rodotan**      **tornado**

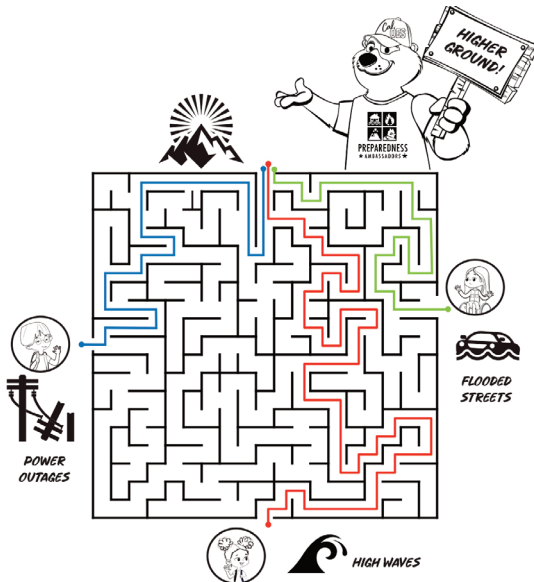
**raeqhuetake**  
earthquake

lidw ifer \_\_\_\_\_ wild fire

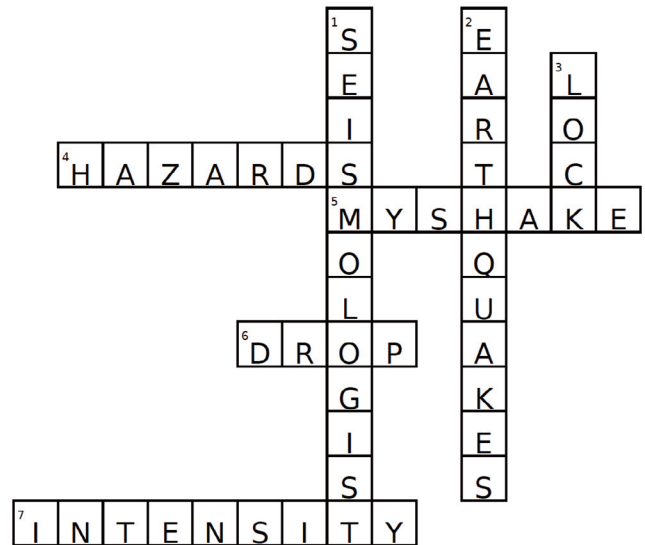
umanist tsunami



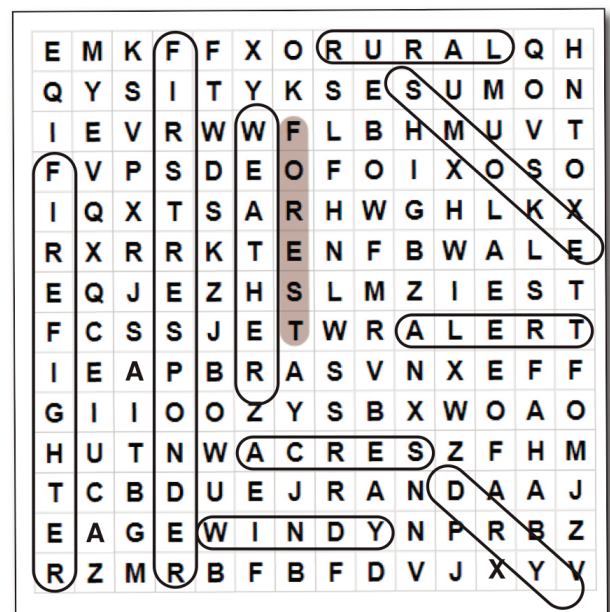
## NAVIGATING THE TSUNA-MAZE



## QUAKE AND SHAKE CROSSWORD



## WILDFIRE WORD SEARCH





## YOUR SECRET POWER DECODER

### 3 CLUES:

Sign up for alerts.

### 2 CLUES:

Keep mobile phones charged.

### 1 CLUE:

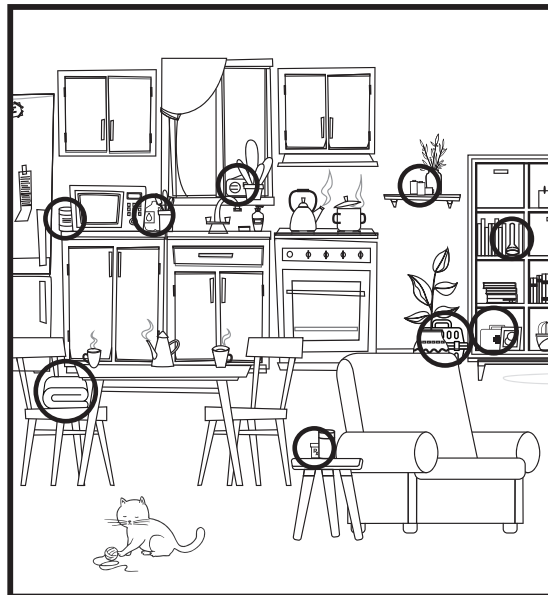
Keep refrigerators and freezers closed.

### NO CLUES:

Check on neighbors and relatives to make sure they are safe.



## FIND THE EMERGENCY SUPPLIES



## TAME THE TORNADO

### Word Scramble

1. Warning
2. Radio
3. Windy
4. Tornado
5. Basement
6. Debris
7. Shelter
8. Communications

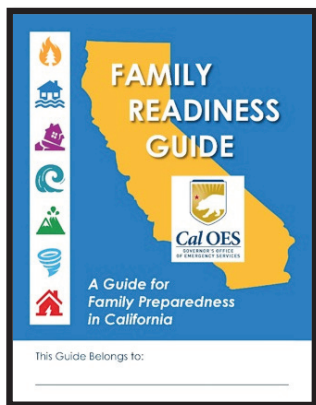
### Secret Message:

GO TO YOUR SAFE PLACE



## NAME THAT VOLCANO

1. Medicine Lake
2. Mount Shasta
3. Lassen Volcanic Center
4. Clear Lake Volcanic Field
5. Mono Lake Volcanic Field
6. Mono-Inyo Craters
7. Inyo Craters
8. Long Valley Caldera
9. Salton Buttes



Download your Family Readiness Guide and find out more about Preparedness Ambassadors by scanning the QR Code