

# Richter Scale Day

## EARTHQUAKE AWARENESS

### READING COMPREHENSION



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EDITABLE**

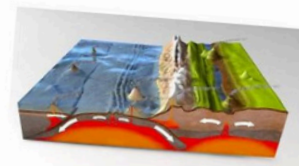
#### SAFETY TIPS

During Richter Scale Day, it's important to reinforce safety tips with children. Help them understand the importance of having a family emergency plan, and supplies like water and first aid kits, and...

### EARTHQUAKE AWARENESS

#### WHAT IS AN EARTHQUAKE?

An earthquake is a sudden shaking of the Earth's surface caused by the movement of tectonic plates with the Earth's crust. These movements release energy that creates seismic waves, causing the ground to shake.



#### RICHTER SCALE DAY

Richter Scale Day is observed on April 26th each year. It is a day dedicated to raising awareness about earthquakes and understanding the Richter scale, a measure of earthquake intensity.

#### THE RICHTER SCALE

The Richter scale is a logarithmic scale that measures the magnitude of earthquakes. It was developed by Charles F. Richter in 1935. The scale ranges from 1 to 10, with each whole number increase representing a tenfold increase in the amplitude of the seismic waves.

#### LOW-MAGNITUDE

Earthquakes with a magnitude of 1 to 2 are often not felt by people and cause little damage. However, larger earthquakes, with magnitudes of 7 or higher, can cause significant destruction and pose serious threats to life and property.

#### EARTHQUAKE PREPAREDNESS

Being prepared for an earthquake is crucial for staying safe. This includes having a family emergency plan, practicing "Drop, Cover, and Hold On," finding safe places to take cover, and staying away from windows.

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or communities to come together for safety. This can include organizing community events, distributing educational materials, and conducting drills.

can have significant impacts on communities. Richter Scale Day serves as a reminder of the importance of earthquake preparedness. By understanding the risks and taking steps to stay safe, we can better protect ourselves and our loved ones.

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**READING COMPREHENSION**

**MCQ'S**

**QUESTIONS**

**ANSWER KEY**

# READING PASSAGES WITH TEXT DEPENDENT QUESTIONS

## EARTHQUAKE AWARENESS

### WHAT IS AN EARTHQUAKE?

An earthquake is a sudden shaking of the Earth's surface caused by the movement of tectonic plates beneath the Earth's crust. These movements can release energy that creates seismic waves, which make the ground shake.



### RICHTER SCALE DAY

Richter Scale Day is observed on April 26th each year. It is a day dedicated to increasing awareness about earthquakes and understanding the Richter scale, a tool used to measure earthquake intensity.

### THE RICHTER SCALE

The Richter scale is a logarithmic scale that measures the magnitude or strength of earthquakes. It was developed by Charles F. Richter in 1935. The scale ranges from 1 to 10, with each whole number increase representing a tenfold increase in amplitude of the seismic waves.

### UNDERSTANDING MAGNITUDE

Magnitude is a measure of the energy released during an earthquake. Small earthquakes, around magnitude 2 to 3, are often not felt by people and cause minimal damage. However, larger earthquakes, with magnitudes of 7 or higher, can cause significant destruction and pose serious threats to safety.



could fall.

### EARTHQUAKE PREPAREDNESS

Being prepared for earthquakes is crucial for staying safe. This includes knowing what to do during an earthquake, such as "Drop, Cover, and Hold On," finding a sturdy shelter, and staying away from windows and heavy objects that

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### SAFETY TIPS

During Richter Scale Day, it's important to reinforce safety tips with children. They should understand the importance of having a family emergency plan, knowing where to find emergency supplies like water and first aid kits, and practicing earthquake drills at home and school.

### TSUNAMIS

Some earthquakes can trigger tsunamis, which are large ocean waves that can cause extensive damage to coastal areas. It's essential for communities near the coast to have tsunami evacuation plans and to understand the warning signs of a tsunami.



### COMMUNITY AWARENESS

Richter Scale Day is also an opportunity for communities to come together and raise awareness about earthquake safety. This can include organizing educational events, distributing informational materials, and conducting drills to practice earthquake response procedures.

### CONCLUSION

Earthquakes are natural events that can have significant impacts on communities and individuals. Richter Scale Day serves as a reminder of the importance of earthquake awareness and preparedness. By understanding earthquakes and knowing how to stay safe, we can better protect ourselves and our communities from their effects.

READING COMPREHENSION

COLORED & B/W  
VERSIONS INCLUDED

Name \_\_\_\_\_

Date \_\_\_\_\_

# EARTHQUAKE AWARENESS

DIRECTIONS CHOOSE THE CORRECT ANSWER.

- 1. What is Richter Scale Day dedicated to?**
  - a) Celebrating birthdays
  - b) Increasing awareness about earthquakes
  - c) Learning about ocean currents
  - d) Studying clouds
- 2. Who developed the Richter scale?**
  - a) Albert Einstein
  - b) Isaac Newton
  - c) Charles F. Richter
  - d) Thomas Edison
- 3. What does the Richter scale measure?**
  - a) Wind speed
  - b) Earthquake magnitude
  - c) Rainfall
  - d) Temperature
- 4. What is the range of the Richter scale?**
  - a) 1 to 5
  - b) 1 to 10
  - c) 0 to 100
  - d) 10 to 20
- 5. What is magnitude a measure of?**
  - a) Energy released during an earthquake
  - b) Distance to the moon
  - c) Height of mountains
  - d) Speed of sound

## SHORT ANSWER QUESTIONS

1. What is Richter Scale Day dedicated to?
2. Who developed the Richter scale?
3. What does the Richter scale measure?
4. What is magnitude a measure of?
5. Why is earthquake awareness important?

## 6. What safety procedure should people follow during an earthquake?

- a) Run outside immediately
- b) Find a sturdy shelter and stay away from windows
- c) Ignore the shaking
- d) Hide under a heavy object

## 7. What natural event can some earthquakes be caused by?

- a) Volcanic eruption
- b) Snowstorm
- c) Tsunami
- d) Tornado

## 8. Why is it important for communities to have earthquake evacuation plans?

- a) To watch the waves
- b) To surf
- c) To avoid potential damage from large earthquakes
- d) To collect seashells

## 9. What is one way communities raise earthquake safety awareness?

- a) By organizing surfing competitions
- b) By distributing informational materials and conducting drills
- c) By hosting picnics
- d) By painting murals

## 10. What is the main purpose of earthquake awareness?

- a) To cause panic
- b) To protect communities from the effects of earthquakes
- c) To encourage people to ignore safety procedures
- d) To measure earthquake intensity

## ANSWER KEY

### MCQS

1. b) Increasing awareness about earthquakes
2. c) Charles F. Richter
3. b) Earthquake magnitude
4. b) 1 to 10
5. a) Energy released during an earthquake
6. b) Find a sturdy shelter and stay away from windows
7. c) Tsunami
8. c) To avoid potential damage from large ocean waves
9. b) By distributing informational materials and conducting drills
10. b) To protect communities from the effects of earthquakes

### SHORT-ANSWER QUESTION

1. Richter Scale Day is dedicated to increasing awareness about earthquakes.
2. The Richter scale was developed by Charles F. Richter.
3. The Richter scale measures earthquake magnitude.
4. Magnitude is a measure of the energy released during an earthquake.
5. Earthquake awareness is important for communities to protect themselves from the effects of earthquakes.

10 - MCQ'S & 5  
QUESTIONS

ANSWER KEY  
INCLUDED