

SESSION NO.: 1

CLASS: 5

SUBJECT: SCIENCE

CHAPTER NUMBER: 14

CHAPTER NAME: NATURAL DISASTERS

SUB TOPIC: INTRODUCTION, EARTHQUAKES

CHANGING YOUR TOMORROW

INTRODUCTION

- **Natural disasters main destroy a part of life and property.**
- **Some such disaster which might affect our lives are earthquakes, volcanoes, tidal waves and drought.**



EARTHQUAKES

- An earthquake is a sudden shifting of rock caused by movements or vibrations deep inside the earth.
- This vibration releases great energy and can cause the ground to quiver.



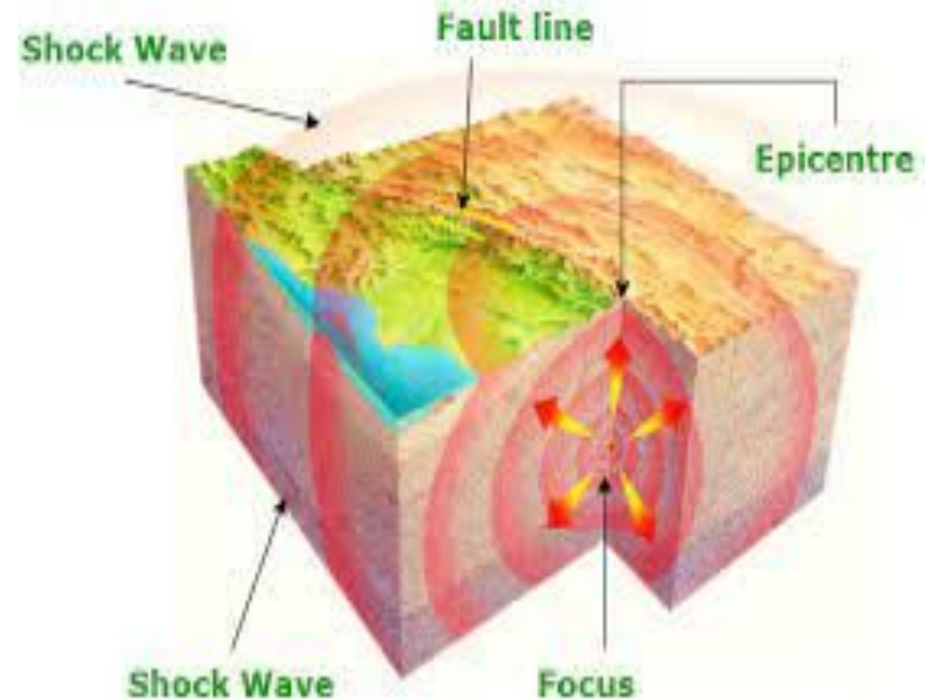
EARTHQUAKES

- Earthquakes of high intensity often cause great destruction on the earth's surface.
- The earth's upper layer ,the crust, is made of large and small plates.
- The layers of the earth under the plates are hot and in a molting state because the core below is extremely hot.



EARTHQUAKES

- These layers under the place are constantly moving.
- Usually such movements cause the plates to slide smokely against each other.
- However at times the movement s between the plates can be sudden giving rise to earthquakes.



EARTHQUAKES

- Earthquakes are measured on the Richter scale.
- The scale was invented by Charles Richter in 1935.
- The Richter scale starts from magnitude 1 and upward.
- Earthquakes of magnitude 1 or 2 can hardly be felt but those 3 or 4 can be felt.
- They can be detected with an instrument called a seismograph.

SUMMARY

- **An earthquake is a sudden shaking of the ground caused by movements or vibrations deep inside the earth.**
- **This vibration releases great energy and can cause the ground to quiver.**
- **Earthquakes of high intensity often cause great destruction on the earth's surface.**
- **The layers of the earth under the plates are hot and in a molting state because the core below is extremely hot.**

READY FOR A
QUIZ?

Q1. How earthquakes can be detected?

Ans: Seismograph

**Q2. Earthquakes can be measured on the
 scale.**

Ans: Richter

HOMework

- Write the difficult words in your notebook.

LEARNING OUTCOME

The learner will be able to:

- **identify different types of natural disasters.**
- **know how an earthquake occurs**

THANKING YOU
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