



# READING #1

An earthquake is the strong, sudden movement of tectonic plates that results in shaking or trembling. Tectonic plates are large sections of the Earth's crust.

There are 7 major plates that are slowly but constantly moving on the Earth's surface. Increased stress and pressure can cause the plates to suddenly move, causing an earthquake. The sudden movement of the Earth's crust causes shockwaves to shake and break the crust of the Earth.

The waves of energy that travel through the Earth's crust are called seismic waves. Seismic waves carry energy released by the earthquake. Scientists can locate the epicenter of an earthquake by studying the speed of seismic waves.

The hypocenter, or focus, is below the Earth's surface where the earthquake originates. The location on the surface of the Earth directly above the hypocenter is called the epicenter.

# QUESTIONS

1. What is a hypocenter also known as?

- A. Epicenter
- B. Force
- C. Focus
- D. None of the above

2. Tectonic plates are large sections of the Earth's \_\_\_\_\_.

- A. Crust
- B. Mantle
- C. Atmosphere
- D. None of the above

# CLUE #1

The first scientific study of an earthquake was in...

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# FINAL CODE

Use the answers found in the completed puzzles to determine the final code!

The number found in  
Puzzle #1 MINUS 754.

The number found in  
Puzzle #2.

The number found in  
Puzzle #3.

The number found in  
Puzzle #4 MINUS 45.

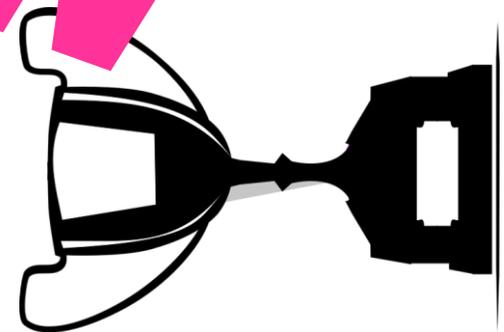
FINAL 4DIGIT CODE:

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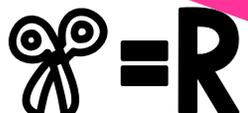
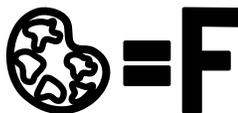
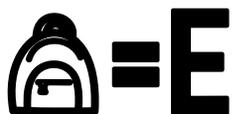
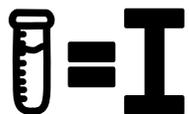
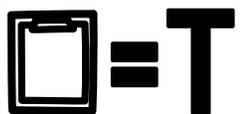
# CERTIFICATE

THIS CERTIFICATE GOES TO



FOR DOING THEIR BEST  
AT SOLVING PUZZLES  
AND THINKING  
OUTSIDE THE BOX!

# DECODER #1



# DECODER #2

