

# YOU MAY ALSO LIKE:

## EARTHQUAKES

**READING #1**

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

There are 7 major plates that are slowly moving on the Earth's surface. Pressure or pressure could cause the plates to move, causing an earthquake. The sudden movement of tectonic plates can cause the ground to shake.

**QUESTIONS**

1. What is a hypocaust also known as?
  - A. Epistyle
  - B. Tense
  - C. Fosse
  - D. None of the above
2. Tectonic plates are large sections of the Earth's crust.
  - A. Crust
  - B. Mantle
  - C. Atmosphere
  - D. None of the above

**CLUE #1**

The first scientifically studied earthquake was in...

**THINK TANK**

ESCAPE ROOM

## TORNADOES

**READING #2**

Tornadoes occur inside giant thunderstorms known as "supercells." These powerful storms when warm, moist air along the ground begins to merge with cooler, drier air. It then just a thunderstorm and some tornadoes.

Thunderstorms occur in a Cumulonimbus clouds are known as "supercells." True False

**QUESTIONS**

**TRUE OR FALSE: CIRCLE THE ANSWER.**

1. Most tornadoes average 350 feet in width. True False
2. Tornadoes occur inside giant thunderstorms known as "supercells." True False

**CLUE #2**

Extreme tornadoes can travel over...

**THINK TANK**

ESCAPE ROOM

## SOUTH AMERICA

**READING #4**

**CULTURE:** The Inca Civilization was a powerful empire in South America before Spain and Portugal colonized most of the continent. Much of the continent has always been a big influence from the Inca. The most famous celebration in South America is a four day celebration called Carnival. Carnival includes parades, colorful costumes and singers with colorful dances.

**QUESTIONS**

1. What is the most famous celebration in South America?
  - A. Cinco de Mayo
  - B. Mardi Gras
  - C. Carnival
  - D. None of the above
2. What is the most popular religion in South America?
  - A. Anglican
  - B. Protestant
  - C. Christianity
  - D. Spanish

**CLUE #4**

The percent of the world's copper that comes from the Andean Mountains...

42	54	14	55	31	33	14	15
23	31	24	51	31	33	14	15

**THINK TANK**

ESCAPE ROOM

## HURRICANES

**READING #1**

Hurricanes are called tropical systems, or large swirling storms over the warm ocean waters in tropical areas. It is a circular air current that creates strong winds and heavy rain. Hurricanes can last days or weeks and travel over the ocean.

What are hurricanes called in the Indian Ocean?
 

- A. Typhoon
- B. Water Cycle
- C. Tropical system
- D. Treated system

**QUESTIONS**

1. What are hurricanes also known as?
 

- A. Typhoon
- B. Water Cycle
- C. Tropical system
- D. Treated system

**CLUE #1**

Hurricanes can span over...

**THINK TANK**

ESCAPE ROOM

## WATER CYCLE

**READING #2**

The Sun's energy heats the surface of the Earth. Some of the water "evaporates" into the air, turning into a gas called "vapor." Hot water is cooler than cold water.

**QUESTIONS**

**TRUE OR FALSE: CIRCLE THE ANSWER.**

1. Hot water evaporates faster than cold water. True False
2. The Sun's energy heats the surface of the Earth. True False
3. Evaporation occurs when water turns from a liquid into a solid. True False

**CLUE #2**

The percent of water vapor in the atmosphere that comes from transpiration...

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ESCAPE ROOM

**THINK TANK**

too

# READING #3

It takes the Earth 365.24 days to orbit the Sun. The Earth spins on an axis which is an imaginary line from the North pole to South pole. It takes 23.439 hours to rotate on its own axis.

The side of the Earth that faces towards the Sun has daytime. The side of the Earth that is facing away from the Sun is night-time.

Most of the places on Earth experience four seasons. The seasons are caused by the Earth's tilt and rotation.

A year on Earth is 365 days long but the ¼ days are added up. Every fourth year has one extra day. The extra day is February 29th. This fourth year is called a Leap Year and has 366 days.

Earth's interior structure is made up of the mantle, crust, inner core and outer core. The rocky outside layer is called the crust. Below the crust is the mantle which is composed of iron and rock. The Earth's core is made of nickel and iron.

# QUESTIONS

## FILL IN THE BLANK

6. The rocky outside layer is called the \_\_\_\_\_.

7. The side of the Earth that faces towards the Sun has \_\_\_\_\_.

Every fourth year has one extra \_\_\_\_\_.

## CLUE #3

Of the Earth's land the inner of Asia covers...

JUE<> NTF.><

TOP.FLOO.>

# READING #4

Earth is mapped into 7 large land masses called continents which make up hundreds of countries. The seven continents include Asia, Africa, North America, South America, Australia, Europe, and Antarctica.

Earth has 5 major oceans which include the Atlantic, Pacific, Indian, Antarctic (Southern) and Arctic Oceans.

Mount Everest is the highest point above sea level. The lowest point is the Mariana Trench. The Nile River is the longest river on Earth at 4160 miles long.

The Earth is divided into two hemispheres: the northern hemisphere and the southern hemisphere. The equator is the line which divides the North Pole of the Earth from the South Pole. The northern hemisphere extends from the equator to the North Pole and southern hemisphere extends from the equator to the South Pole. Temperatures have reached 160 degrees in a desert near the equator, and as low -190 degrees at the South Pole.

# QUESTIONS

9. Earth is mapped into \_\_\_\_\_ large land masses called continents.
- A. 5
  - B. 7
  - C. 9
  - D. 11
10. What is Earth's longest river?
- A. Nile
  - B. Amazon
  - C. Mississippi
  - D. None of the above

# CLUE #4

Of all the water on the Earth, the percent that is fresh water is \_\_\_\_\_.

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43 33 13 15 43 33 31

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23 31 24 51 31 33 14

# FINAL CODE

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

The number found in  
Puzzle #1 MINUS 7999.

The number found in  
Puzzle #2 MINUS 65.

The number found in  
Puzzle #3 MINUS 28.

The number found in  
Puzzle #4.

FINAL 4DIGIT CODE:

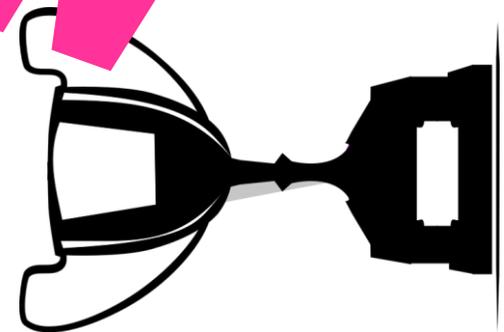
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# CERTIFICATE

THIS CERTIFICATE GOES TO

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



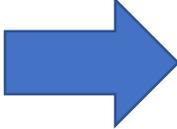
PREVIEW

# DECODER #3

L O R  
J P  
C F I  
B E H  
A D G

Y  
W Z  
U  
S V  
T

# DECODER #4

GO  FIRST, THEN GO 

1 2 3 4 5  
1 D B E A C  
2 G H I F  
3 L N O M  
4 T R Q S  
5 Y Z X V W