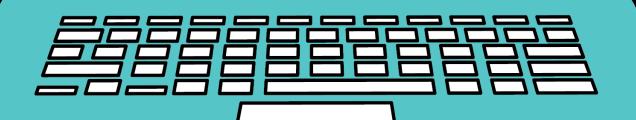


Short Answer	Type Answer Here	Fill in the Blank	Type Answer Here
1. How any rejord tector olate are there		<ol><li>Land on earth can move up to inches per year.</li></ol>	
2. V at was the supercontiner called?		10. Underneath the rock layer is the upper	
3. What do spent ts use today to tract the plates?		11. The Mariana Trench is an example of a ndary.	
4. Which plate is not named for the matching continent?		of the Panic Cust.	
5. In which state is the San Andreas Fault?		13oound les whe plate rift	
6. What letters are used for Silicon?		14. Ec n revolves around t	
7. About how many miles thick are tectonic plates?		15. The edges the tectonic plates are called plate	
8. How many minor tectonic plates are there?		16. The smallest tectonic plate is the de Fuca Plate.	



## PLATE TECTONICS

Did you keep the second on earth moves? Just like the earth revolves around the second is tantly moving. It moves very slowly, but it can move up to second in the second

imiliar is with st word and googy filling. The earth is similar controlled in an individual of an and partially melted rock colled in antie. The manifel controlled in an antie the manifel controlled in an antie to the little controlled in slow motion.

The lithosphere is dimeven major templates

- African
- Antarctic nate
   Eurasian plate
- Eurasian plate
- Indo-Australian plane
- North American plate
- · Pacific plate
- South American plate

The names of these major plates identify the area-where they of for instance, some of these plates cover an entire continent. Six of plates are named for the matching continent. The Pacific plate is the This mostly underwater plate is under the Pacific Ocean, spanning over 30 million square kilometers.

In addition to the seven major tectonic plates, there are eight minor tectonic plates, too. The minor plates include Arabian, Caribbean, Nazca, and Scotia plates. The smallest tectonic plate is the Juan de Fuca Plate.

Geologists think that the tectonic plates were once a giant supercontinent that split apart. For example, Pangaea was the supercontinent from 270 million years ago. This theory that the earth's crust is broken into plates is colleillon tectonics. If you look at each plate, they fit together like a puzzle. With the constant shifting of the plates, scientists think that the plates will drift together again - in about 200 million years.

Earth's land and water sit on top of the tectonic plates. The plates are made from solid rock. Underneath the rock layer is the upper mantle, which is partially melted rock. Tectonic plates constantly shift over the weaker partially melted layer.

Tectonic plates are approximately 62 miles thick. There are two styles of tectonic plates: oceanic and continental.

- Oceanic plates are part of the oceanic crust. These plates have "sima," which is silicon and magnesium. The letters of silicon (si) and magnesium (ma) make up the word "sima."
- Continental plates are part of the continental crust. These plates have "sial," which is silicon (si) and aluminum (al).

The edges of the tectonic plates are called plate boundaries. There are three kinds of boundaries: convergent, divergent, and transform. The action between tectonic plates causes a chain reaction.

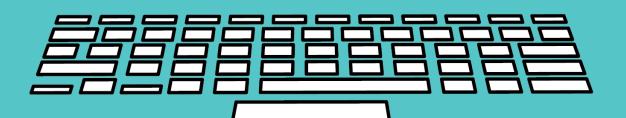
- Convergent boundaries are where two plates converge, (push together). As this happens, one plate shifts under another, which is called subduction. This motion can create mountains and volcances. It can also cause earthquakes. The Mariana Trench between the Pacific and Mariana Plate is a famous convergent boundary. Here, the Pacific plate subducts under the Mariana plate. Another famous example of a vergent boundary is the Himalayan Mountains. The Indian and salates formed these mountains.
- Div daries are when two plates diverge (drift apart).

  If (chack or split) happens on land From there, magma as through the ce, cools and hardens, creating new land.

  Instorm bour
- is creation to can develop into an earthquake
  The San Are cault is a famsus the form boundary that has
  caused my thouses in Califor lies between the North
  America
- on enty gion at scific Plat hearthquakes and volcanoes. It is add the fic Rim.

tectonic plates over The sh ns of years is called drift. During tr entists studied the ocean sonar They thought they m a flat and e the of the pool. However, under the water, they s , trenches. and volcanoes. Beautiful landscape li itains, and es and tsunamis valleys is the result of plate tectonic are also caused by shifting tectonic plates. To b rstand the subtle movements, scientists use GPS technology tod k the plates

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