**<http://search.mywebsearch.com/mywebsearch/video.jhtml?searchfor=theory+of+tectonics&ts=1369808180209&p2=%5EZX%5Exdm153%5ELENCA%5Eca&n=77DE8857&ss=sub&st=hp&ptb=4C0BDF12-E5C5-47F7-AA03-DDEF5B71C0EF&tpr=sbt&si=4022>**

**Videos: Theory of Plate Tectonics**

**Video #1**

Watch the video below. Use it to:

1. Define a tectonic plate on p.1 of your booklet beside the map.
2. Label the following using the drawings on p. 8 of your booklet.
3. First, take notice of the diagram labelled CONVERGENT boundary. Two tectonic plates are moving toward one another and colliding. In the blank space below that diagram, you must add a drawing of what OTHER POSSIBILITY can happen if two tectonic plates move toward eachother and collide.
4. Beside the drawing you made, write the words “Example:Himalayas” which are a famous mountain range in India, to remind yourself that they were made because there are two diverging (moving apart) plates at this spot on the earth’s crust . The Himalayas include Mt Everest, the largest mountain in the world! Make a note for yourself about this as well.

Credit: Make Me Genius ( 5 min 30 secs)

http://search.mywebsearch.com/mywebsearch/video.jhtml?searchfor=theory+of+tectonics&ts=1369808180209&p2=%5EZX%5Exdm153%5ELENCA%5Eca&n=77DE8857&ss=sub&st=hp&ptb=4C0BDF12-E5C5-47F7-AA03-DDEF5B71C0EF&tpr=sbt&si=4022

**Video #2**

Watch the video below. Use it to:

1. Color the following tectonic plates on page 1 of your booklet in a different color: African Plate, North American Plate, Pacific Plate. Make a key/legend (on a separate page) indicating which plate is which color. We will be adding several other items to this map so you need to ensure that your key/legend is clear.
2. Answer questions 1 and 2 on the 2nd page titled “Earth’s Crust – Earth Tectonics-Info Check”

Credit: Abacus

<http://search.mywebsearch.com/mywebsearch/video.jhtml?searchfor=theory+of+tectonics&ts=1369808180209&p2=%5EZX%5Exdm153%5ELENCA%5Eca&n=77DE8857&ss=sub&st=hp&ptb=4C0BDF12-E5C5-47F7-AA03-DDEF5B71C0EF&tpr=sbt&si=4022>

**Video #3**

This video starts with a review of the layers of earth crust.

1. On page 7 of your booklet, color the continental crust (earth crust) grey or brown. Color oceanic (ocean) crust blue. Color the ocean above the crust blue as well.
2. On the bottom of page 7 of your booklet, add a key/legend that shows the continental and oceanic crust. Label which one would be granite (lighter, older rock) and which one would be basalt (heavier, younger rock).
3. (1:55) On page 8, label the diagrams with the following labels “tectonic plates moving apart”, “tectonic plates moving together” “tectonic plates slipping past eachother”
4. At about the 2:30 mark you will see the island of Surtsey (near Iceland) be born. It is formed by a divergent boundary. Find the divergent boundary on page 8 of your booklet and label it with the words “Island of Surtsey, near Iceland”
5. At 3:38, press pause. There is aerial photo of a row of mountains being constantly formed in the middle of the Atlantic |Ocean. Label this as an example of divergent boundary on p. 8 of your booklet. Call it the “Mid-Atlantic Ridge” because it is in the middle of the Atlantic Ocean and because it is a ridge of mountains Also highlight the Mid-Atlantic Ridge on the front page of the booklet. Add it to your key/legend.
6. At about 5:38, you will see the Golden Gate Bridge. It is in a risky location because the North American Plate and the Pacific Plate are moving past eachother at different rates at this spot on the Earth’s crust. If you did not yet label these two plates on p.1 of your booklet, do so now, making a key/legend (see #1 under Video #2). On page 8 of your booklet, label “San Andreas Fault” as an example of a Transform Boundary. On p.1 of your booklet, label San Andreas Fault” and add it to your key/legend.
7. At 7:27, you will see the Himalayas again. Label these on p.8 of your booklet as an example of a convergent boundary. You should have already drawn the diagram in the blank space (see Video #1 2a)). On p.1 of your booklet, color the Indian Plate and the Eurasian Plate different colors and add them to your key/legend. Color in the Himalayas. Add them to the key/legend.

(8:20)

<http://search.mywebsearch.com/mywebsearch/video.jhtml?searchfor=theory+of+tectonics&ts=1369808180209&p2=%5EZX%5Exdm153%5ELENCA%5Eca&n=77DE8857&ss=sub&st=hp&ptb=4C0BDF12-E5C5-47F7-AA03-DDEF5B71C0EF&tpr=sbt&si=4022>

**Video #4**

This video is 26 min long.Please watch it at home if you do not have time today.

http://search.mywebsearch.com/mywebsearch/video.jhtml?searchfor=theory+of+tectonics&ts=1369808180209&p2=%5EZX%5Exdm153%5ELENCA%5Eca&n=77DE8857&ss=sub&st=hp&ptb=4C0BDF12-E5C5-47F7-AA03-DDEF5B71C0EF&tpr=sbt&si=4022