**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.

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[http://search.mywebsearch.com/.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](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)