

Name \_\_\_\_\_

## Plate Tectonics Activities Answer Sheet

### History-Wegener and his Plate Tectonic Theory

To learn about the history behind Plate Tectonics follow this link:  
<http://www.ucmp.berkeley.edu/geology/techist.html>

**Activity:** Go to the link above to answer the following questions, and record your responses on the answer sheet.

1. How did Wegener explain the formation of mountains?
2. What three mountain ranges did Wegener cite as evidence for this explanation?
3. What scientist worked on Wegener's theory, reviving it in the 1960's?

### Theory-Plate Tectonics

To learn about the theory behind Plate Tectonics follow this link:  
<http://www.ucmp.berkeley.edu/geology/tecmech.html>

**Activity:** Go to the link above to answer the following questions, and record your responses on the answer sheet.

1. List the four (4) main features of the Plate Tectonics Theory
2. Look at the graphic at the bottom of the page and read the paragraph accompanying it, then draw and label where new plates are born and old plates are recycled.

## Plate Tectonics-Animations Part I

To put the plates in motion and follow their movement go to:  
<http://www.ucmp.berkeley.edu/geology/anim1.html> (to see the animation again hit the "refresh" button on the toolbar above!)

**Activity:** Go to the link above and run the animation to answer the following question, and record your response on the answer sheet.

Pick one continent to track (Africa for example). Describe its movement in few sentences.

## Plate Tectonics-Animations Part II

To put the plates in motion and follow their movement go to:  
<http://www.ucmp.berkeley.edu/geology/anim1.html> (to see the animation again hit the "refresh" button on the toolbar above!)

**Activity:** Go to the link above and click on the Cenozoic, Mesozoic, or Paleozoic colored box to answer the following question, and record your response on the answer sheet.

1. Find a fact about the life forms that existed during one of these geologic time periods.

## Paleomap Project

Go to the following link: <http://www.scotese.com/>

**Activity:** Once on the page above, explore one of the links that looks interesting to you. Answer the following question, and record your response on the answer sheet.

1. What did it show or teach you? Write a summary of several sentences.

-hint: the animations here are REALLY COOL! ;-)

## Volcano World

To learn more about volcanoes visit this site: <http://volcano.und.nodak.edu/vw.html>

**Activity:** Once on the page above, explore one of the links that looks interesting to you. Answer the following question, and record your response on the answer sheet.

1. What did it show or teach you? Write a summary of several sentences

-hint: some of these movies are HOT! ;-)