

## Plate Tectonics Homework Questions

1. What four specific pieces of evidence did Wegener use to help support his hypothesis of continental drift?
2. What happens to magma that rises up out of the mantle? What is formed?
3. Compare and contrast the types of movements that occur at divergent, convergent and transform fault boundaries.
4. Both Japan and California are prone to earthquakes. Explain this fact using plate tectonics to support your answer.
5. A rock that is found 3000 km west of an ocean floor crack is determined to be 50 million years old. What can you determine about the age of a rock that is found 4000 km west of an ocean floor crack? What about a rock 3000 km east?