**Year 8 Ring of Fire Research Task**

**This content will be tested in the Mid-Topic Test on *Tuesday 5th November*.**

**Use this website** [**https://kids.kiddle.co/Pacific\_Ring\_of\_Fire**](https://kids.kiddle.co/Pacific_Ring_of_Fire) **to answer the questions below. You may need to click on the blue hyperlinks to navigate the page.**

1. **The ring of fire is an arc around the Pacific Ocean where many volcanoes and earthquakes are formed.**
2. **The ring of fire is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_kms long.**
3. **There are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_volcanoes in the ring of fire.**
4. **The ring of fire is a direct result of *plate tectonics*. Click on the blue ‘plate tectonics’ hyperlink and answer the following questions:**
5. **Describe the theory of continental drift (click on the hyperlink):**
6. **Describe three (3) pieces of evidence for the theory of continental drift:**
7. **Return to the plate tectonics page. Describe seafloor spreading (click on the hyperlink) and give an example of where this occurs:**
8. **Return to the homepage. The Ring of Fire is a result of subduction of tectonic plates. Describe the process of subduction (click on the hyperlink) and indicate which events occur as a result of subduction:**
9. **Name three (3) places around the world where subduction zones exist:**
10. **Use the table below to plot the Ring of Fire on the map provide:**

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|  |  |
| --- | --- |
| **Longitude** | **Latitude** |
| **150° W** | **60° N** |
| **70° W** | **35° S** |
| **120° W** | **45° N** |
| **61° W** | **15° N** |
| **105° W** | **20° N** |
| **75° W** | **0°** |
| **122° W** | **40° N** |
| **160° E** | **55° N** |
| **145° E** | **40° N** |
| **120° E** | **10° S** |
| **105° E** | **5° S** |
| **70° W** | **30° S** |
| **175° E** | **39° S** |
| **123° E** | **38° N** |