

# **Intro to Plate Tectonics - Week 1, 3/24/20 - 3/27/20 (Virtual Education)**

## **Mrs. Jones - Science**

Assigned in Discovery Education: Science Kids: Plate Tectonics (18:03)

Welcome Back.....well sorta :)

We are going to be embarking on a virtual educational journey together. I will do my best to send out information via text, email, Discovery Education and even Instagram. Next week we will begin our new teaching platform with online meetings, virtual class time and office hours. Please be on the lookout for additional emails that will include specifics on how to move forward in our new classroom/home experience. I pray that all of you are healthy and doing well. I'll see you next week online!

Virtual hugs :)

Mrs. Jones

Please watch the video Science Kids: Plate Tectonics that was assigned in Discovery Education and answer the following questions completely. Use proper grammar and complete sentences.

1. What is the continental drift theory?
2. What evidence supports this theory?
3. What is Pangea? Explain.
4. Who is Albert Wegner? Why should we know this name?
5. What are tectonic plates? What type of mapping was used in their discovery?
6. Name 3 things/pieces of evidence that support the continental drift theory.
7. What is rock strata? Think back to the beginning of the year!
8. The top layers of our Earth broke apart to form continents. True or False?
9. What are the layers of the Earth?
- 10 . What layer of the Earth has the continuous cycle of heating, rising, cooling and sinking?
11. What layers make up the Lithosphere?
12. What are the 7 major tectonic plates?

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13. About how many miles thick are tectonic plates?
14. What are convergent boundaries?
15. What is the asthenosphere?
16. What happens at plate boundaries?
17. How are mountains created?
18. What happens during subduction? What can be created?
19. How far (inches) do most tectonic plates move in one year?
20. What are divergent boundaries?
21. What is formed from divergent boundaries? Give 2-3 examples please.
22. Where are most divergent boundaries found?
23. What are transform boundaries?
24. What is another name for transform boundaries?
25. What is the hypocenter? What happens to the stored energy?
26. What is an epicenter? Name one famous boundary that causes earthquakes.