

Unit 2: The Dynamic Earth Plate Tectonic Assignments

*Choose at least 50 points of work from the 17 choices below. (Students who are in need of more credit can do up to 70 points.)

*All work is expected to be in final form and of very high quality. Make sure the essential questions are answered and the project is complete for full credit.

For the Plate Tectonic unit, I will be doing assignments: _____, _____, _____, _____, _____, _____, _____ to earn _____ total points

On Friday, October 3rd, I will turn in at least 2 assignments: 1. ____ 2. ____

On Wednesday, October 8th, I will turn in these final assignments for my final total of at least 50 points: 3. ____ 4. ____ 5. ____ 6. ____ 7. ____

Every student will do a presentation of their assignments to the class, some presentations will be scheduled due to powerpoints and lessons to be taught

1. Research a scientist who contributed to the plate tectonic theory or is involved in volcanoes or earthquakes.

Pretend you were there to witness the event and write a special interest news story about the scientist on the day they announced their discovery or on their job to be published in the local newspaper. Include background information. (10 Points)

-must include a bibliography of sources used.

2. Do an interview of an earth scientist. Look on the internet for an email address and phone number. Contact them and see if they would meet with you or talk on the phone. Provide the teacher with the contact information and the list of questions prior to the interview. The interview must be at least 7 questions and all relate to Earth Science. All questions and answers must be typed. A copy of the thank you card must be turned in as well. (20 pts)

3. Create a cross word puzzle with 10 up and 10 down relating to Unit 2, chapters 4-7. (may be used as a study tool for an exam) (5 pts)

4. Create a game with at least 20 questions and a related game board or powerpoint game (ie. Jeopardy) that may be used to study for an exam. (20 pts)

5. Research a major earthquake or volcano and make at least 3 diary entries of that experience as if you were there. Include

location, type, destruction, deaths, and use your 5 senses (10 pts)

-must include a bibliography of sources used

6. Create a timeline of the development of seismology. (ticker/receipt tape is great for this) Use pictures and creativity (10 pts)

-must include a bibliography of sources used

7. Research, display, and teach your understanding of an instrument/tool used to study the shifting of the plates. (a poster or powerpoint) (15 pts)
 - must include a bibliography of sources used
 8. Demonstrate your understanding of plate movement with class demonstrations (must be tactile, 3-D model) and teaching presentation (15 pts)
 - must include a bibliography of sources used
 9. Write a poem and/or sing/create a song about the various topics. Must be accurate and teach the class. (5-10 pts)
 10. Show at least 5 movie clips relating to the dynamic earth and explain why the statements they are making are true or false. (15 pts)
 - must include a bibliography of sources (movies) used
 11. Write a paper that would discuss what the earth would be like if we didn't have plate tectonics. Minimum 1 page typed (10 pts)
 - no personal narrative
 - must include a bibliography of sources used
 12. Draw cartoons that use humor to explain the dynamic earth theories. 6 frames, colored, neat (10 pts)
 13. Read articles from newspapers or on the usgs.gov website or other websites about the 5 most recent seismic activities. Discuss where most of the activity is and what plates and areas are being affected. Write in complete sentences. (10 pts)
 - must include a bibliography of sources used
 - no personal narrative
 14. Research the volcanic history of California and display your information in a creative manner (10 pts)
 15. Create a mural or collage of dynamic earth topics. Include a 1-2 paragraph explanation of your art (10 pts)
 16. Create a children's book about a dynamic earth topic. Include pictures and story line (20 pts)
 17. Create your own assignment. Present a proposal to the teacher who will assign points based on creativity and rigor of project.
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Please turn into the teacher by Wednesday, October 1st

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On Wednesday, October 8th, I will turn in these final assignments for my final total of at least 50 points: 3. _____ 4. _____ 5. _____ 6. _____ 7. _____

Student Name: _____

Student Signature: _____

Parent Signature: _____

| <u>Assignment #</u> | <u>Points earned</u> |
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Total points: _____ /50