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| **Assessment** |
| **Pangaea/Geologic Time** | **Plate Boundaries** |
| * [Theories and Geological Dating Quizlet](https://quizlet.com/_3vuc3h?x=1jqt&i=svx05)
* [CER Continental Drift Quiz](https://fultonk12-my.sharepoint.com/%3Aw%3A/g/personal/speakse_fultonschools_org/EZdctBvc3EZOnfoJUDFrFykBdYCEXZlcvB2rO8mhnm74zA?e=z448bk)
 | * [Convection Currents Mantle Diagram](https://quizlet.com/_7cb0uz?x=1jqt&i=svx05) Quizlet
* [Plate Tectonics Review Quizlet no pictures](https://quizlet.com/_2l97xx?x=1jqt&i=svx05)
* [Plate Tectonics Review Quizlet with pictures](https://quizlet.com/_7cnr8q?x=1jqt&i=svx05)
* [Quizizz Practice test A](https://quizizz.com/admin/quiz/5dcc067abb1f0e001d711c0e)
* [Quizizz Practice Test B](https://quizizz.com/admin/quiz/57edb5c7f0237b523e8a45ed)
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| * [Plate tectonics study guide (Paper version](https://fultonk12-my.sharepoint.com/%3Aw%3A/g/personal/speakse_fultonschools_org/EYtU2Ai2c3tCuVk4cXfqDeYBQugQcKFKI_IeUswzmcRpEg?e=eil4VP))
* [Plate tectonics study guide (digital version)](https://fultonk12-my.sharepoint.com/%3Aw%3A/g/personal/speakse_fultonschools_org/EfIXFkt9tGxCgnkeKLdotTEBkiuRgW7HxRB0YU2-L4ZfyQ?e=eamQqV)
* [Study Guide Answer Key](https://fultonk12-my.sharepoint.com/%3Ab%3A/g/personal/speakse_fultonschools_org/EV0kPqrwPVBCsNC7-omB6NUBQrp9kdn6kzQOK5voCLsZIg?e=f6CIq7)
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| **YouTube Playlist/Videos** |
| **Pangaea/Geologic Time** | **Plate Boundaries** |
|  | * <https://www.youtube.com/playlist?list=PLuICOhFgyRtpHa6KIfClyAwtar96ymf2C>
* Nat Geo [Plate Tectonics clip](https://www.nationalgeographic.org/media/plate-tectonics/#alien-deep-tectonic-plates) 5:47
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| **Activities/Labs/Demos** |
| **Pangaea/Geologic Time** | **Plate Boundaries** |
| * Watch fossil lake clip
* [Ancient Earth Globe Interactive](https://dinosaurpictures.org/ancient-earth#240)
* [Watch Greatest Discoveries w/ Bill Nye clips](https://fultonk12-my.sharepoint.com/%3Av%3A/g/personal/speakse_fultonschools_org/ESMmOPJhgeVHjjFy90aKv1kBcgfQ5PPbKN7wOIPDIC84vA?e=kxMK85) for continental drift, sea floor spreading, and plate tectonics
* [Modified Graphic Organizer](https://fultonk12-my.sharepoint.com/personal/kongc_fultonschools_org/_layouts/15/Doc.aspx?sourcedoc=%7B66F57E08-6FCD-4A29-B500-1C6494EF7002%7D&file=PLATE%20TECTONICS%20Graphic%20Organizer-ck.docx&action=default&mobileredirect=true)
* Relative dating card sort
* Pangaea color, cut, and piece together
* Analyze Evidence for Continental Drift
* [FOCUS Notes Pangaea\_Fossils\_Theories.doc](https://fultonk12-my.sharepoint.com/%3Aw%3A/g/personal/lynchharlows_fultonschools_org/Eetr2amUwgBLiBI1hJvsgXMBqU5EnAUkxNUXGfVet7NvqQ?e=vhDBNf)
* ADI Lab Geologic Time & the Fossil Record
 | * AMP-IT-UP: Earthquake Challenge
* Watch Ice Age: Continental Drift short
* Dynamic Earth Interactive
* Google Earth: Explore landforms and/or [Plate Tectonics Passport activity (Geologic Society)](https://www.geolsoc.org.uk/Education-and-Careers/Resources/Activity-Sheets-And-Presentations#platetectonicspassport)
* What happens during convection? Diagram & ?’s
* What on Earth is Plate Tectonics? Diagram #ing
* [All About Plate Tectonics Webquest by Kong](https://platetectonicswebquesttask.weebly.com/)
* ADI Lab 6: Plate Interactions
	+ <https://www.geolsoc.org.uk/Plate-Tectonics>
* ADI Lab 7: Formation of Geologic Features
* [Plate Tectonics Matching Claim, Evidence, Reasoning](https://fultonk12-my.sharepoint.com/%3Aw%3A/g/personal/jenningsm_fultonschools_org/Ef5U6a6eD_hLh0XpfJqM89UBjt_F9d9ucYUz4c6wmdT3YQ?e=q8Md2y)
* [GO Summarizer of boundaries and events](https://fultonk12-my.sharepoint.com/%3Aw%3A/g/personal/speakse_fultonschools_org/EQ2Sk9cu6V9NhryLaFcaM2YBAFaP1GiQyl1eYHjQj0bPog?e=lJVeWE)
	+ [Answer Key](https://fultonk12-my.sharepoint.com/%3Aw%3A/g/personal/speakse_fultonschools_org/ERmTwLuAbnBMkSLOHldh0DMBk-Dq6AJ98kdvImjwNeUJ-w?e=2a50oU)
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| **PowerPoints/Presentations/Nearpods** |
| **Pangaea/Geologic Time** | **Plate Boundaries** |
| * [Continental Drift 2020](https://fultonk12-my.sharepoint.com/%3Ap%3A/g/personal/speakse_fultonschools_org/EWWA4K8bM1FFhTeYNSoQ64MBmOx7ARICo_wdjrJefZv1Kw?e=iHxfNE)
* [New Discoveries that supported continental drift 2020](https://fultonk12-my.sharepoint.com/%3Ap%3A/g/personal/speakse_fultonschools_org/ESBxRAHbR-1AtbdjmoUg8ycBHyxAV4oYgOk0oYrLLAKEew?e=Qs8hbE)
 | * PLATE TECTONICS resource presentation
* Geological Events at Plate Boundaries
* Plate Tectonics Explained Nearpod by Minute Earth (quick interactive video lesson on convection in mantle)
* Plate Tectonics Nearpod by Lifeliqe (long lesson)
* Plate Tectonics Matching Pairs Practice and Review by Nearpod Team
* [Types of Plate Boundaries PPT](https://fultonk12-my.sharepoint.com/%3Ap%3A/g/personal/speakse_fultonschools_org/EQLwHGUYhBhAkImtzpXcDvIBr6nLe22-sY0OK2LfN3l56A?e=Mx8iXn) to use with GO Summarizer
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| **Cool Links and Websites** |
| **Pangaea/Geologic Time** | **Plate Boundaries** |
|  | * [PBS Media Mountain Maker, Earth Shaker Boundary Simulator](https://contrib.pbslearningmedia.org/WGBH/conv16/conv16-int-mmes-1/index.html)
* [IRIS Earthquake Browser - Live Sesmic Montior](http://ds.iris.edu/seismon/index.phtml)
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| **Textbook - Unit 6** |
| Lesson 2 Geologic Change Over Time | Pages 508-521 Answer all ?’s EXCEPT # 19Lesson Review pg 521 | Digital Lesson: Geologic Change Over TimeVirtual Lab: Earth’s History (investigate whether or not a fossil will form) |
| Lesson 3 Plate Tectonics | Pages 524-537Answer all ?’s EXCEPT #’s 10Lesson Review pg 537 | Digital Lesson: Plate TectonicsVirtual Lab: Plate Boundaries (investigate how earthquakes and volcanoes correlate to boundaries) |
| Lesson 4 Mountain Building | Pages 540-549Answer all ?’s EXCEPT #’s 7, 11Lesson Review pg 549 | Digital Lesson: Mountain Building |
| Lesson 5 Volcanoes | Pages 552-563Answer all ?’s EXCEPT #’s 6, 16, 17Lesson Review pg 563 | Digital Lesson: Volcanoes  |
| Lesson 6 Earthquakes | Pages 566-575Answer all ?’s EXCEPT #’s 11,14, 15Lesson Review pg 575 | Digital Lesson: Earthquakes |

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| **OMG Foldable/ Notes** |
| **Pangaea/Geologic Time** | **Plate Boundaries** |
| * Theories and Evidence
 | * Lithospheric Motion that Shapes the Earth
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| **EdHelper Readings** |
| **Pangaea/Geologic Time** | **Plate Boundaries** |
|  | * What Causes Plates to Move?
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| **Gizmos** |
| **Pangaea/Geologic Time** | **Plate Boundaries** |
| * Building Pangaea
 | * Plate Tectonics
* Earthquakes 1
* Earthquakes 2
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| **Probes** |
| **Pangaea/Geologic Time** | **Plate Boundaries** |
| * How old is Earth?
* Is it a fossil?
* Sedimentary Rock Layers
* Mountaintop Fossil
 | * Describing Earth’s Plates
* Where do you find Earth’s plates?
* What do you know about volcanoes and earthquakes?
* Mountain Age
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| **Factsheets** [www.geolsco.org.uk/factsheets](http://www.geolsco.org.uk/factsheets) |
| **Pangaea/Geologic Time**  | **Plate Boundaries** |
| * Fossils
 | * Plate Tectonics
* Volcanoes
* Earthquakes
* Tsunamis
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| **BrainPop** |
| **Pangaea/Geologic Time** | **Plate Boundaries** |
| * Geologic Time
	+ Worksheet (top half-which layer for which fossil based on age)
* Relative Dating
	+ Related Reading
	+ Worksheet (analyzing rock layers)
	+ Vocabulary (debris, compress, catastrophe, erode, correlate, preserve) (students choose 2 terms from movie to add)
* Fossils
	+ Related Reading
	+ Worksheet (matching voc and listing examples)
	+ Graphic Organizer (types, how formed, what we learn from them)
	+ Vocabulary (remnant, amber, decay, trace, impression, minerals) (students choose 2 terms from movie to add)
* Glaciers
	+ Primary Source (compare old pic of glacier w/ new melted pic)
	+ Related Reading
	+ The Meaning of Beep (Glaciers Game)
	+ Worksheet (labeling & explaining 2 types, movement, and how they shape the landscape)
* Ice Age
	+ Graphic Organizer (whys and ways about ice ages & studies)
	+ Vocabulary (glacier, pole, tropics, arctic, interval, global warming) (students choose 2 terms from movie to add)
	+ Time Zone X: Ice Age
* Ocean Floor
	+ Related Readings
* Carbon Dating
 | * Plate Tectonics
	+ Challenge (review or graded)
	+ Related Readings (all are good)
	+ Worksheet (describing boundary for specific land features)
	+ Graphic Organizer (describing role of plate tectonics in causing/creating events/features)
	+ The Meaning of Beep (Plate Tectonics Game)
	+ Time Zone X: Plate Tectonics
* Volcanoes
	+ Challenge
	+ Primary Source (video of Mount St. Helens 2004 eruption)
	+ Related Readings
	+ Worksheet (labeling and fill in the blank)
	+ Graphic organizer (describe the steps needed for a volcanic eruption)
	+ Vocabulary (magma, molten, lava, eruption, subduction, dormant) (students choose 2 terms from movie to add)
	+ Time Zone X: Volcanoes
* Earthquakes
	+ Related Readings
	+ Worksheet (fill in the blank/research and describe Richter Scale)
	+ Graphic Organizer (describe steps for an earthquake to happen)
	+ Vocabulary (mantle, fault, seismic, compress, vertical, horizontal) (students choose 2 terms from movie to add)
	+ Earthquake Game
	+ Time Zone X: Earthquakes
* Mount Everest
	+ Challenge
	+ Related Readings
	+ Worksheet (voc matching & summit climbing research)
	+ Graphic organizer (facts about location, height/shape, climbers, formation)
	+ Vocabulary (mantle, collision, sacred, expedition, avalanche, summit) (students choose 2 terms from movie to add)
* Mountains
	+ Primary Source (images and questions for 3 types of mountains)
	+ Related Readings
	+ Worksheet (adjectives to describe mountain types and critical thinking on Sierra Nevada mountain range’s impact on climate)
	+ Vocabulary (barrier, climate, weather, converge, collide, weathering) (students choose 2 terms from movie to add)
	+ Time Zone X: Mountains
* Tsunami
	+ Challenge
	+ Related Readings
	+ Vocabulary (devastation, tide, harbor, earthquake, seismic, crest)
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