



Science Virtual Learning

8th Grade

Plate Tectonics

Friday, May 15, 2020



8th Grade Science
Lesson: Friday, May 15, 2020

Objective/Learning Target:

I can explain the cause and effects of plate tectonics

Let's Get Started:

Watch this introduction [video](#) of plate tectonics

1. On a piece of paper write down 3-5 facts you took away from the video.



Key Ideas/Vocabulary:

Write these words and definitions down on your own sheet of paper!

Plate Tectonics- Idea that Earth's outer layer is made up of large, moving pieces called plates.

Pangea- Supercontinent that was predicted to have broken apart millions of years ago.

Convergent Boundary- Plate boundaries coming together

Divergent Boundary- Plate boundaries moving away from each other

Transform Boundary- Plate boundaries that are sliding past each other



Today

Watch the National Geographic [video](#) before completing the diagram worksheet below.

Explore the three primary plate boundaries by completing the [diagram](#) on your own piece of paper.



More Practice → EARTH NEWS NETWORK STORY!

You are an anchor for the Earth News Network TV Channel. There are geologic phenomena and events occurring all over the Earth!

As an Earth Science Expert for ENN, you choose a specific phenomenon/event (volcanic eruption, earthquake, tsunami, hot springs) that is occurring in a certain location and must go before the viewing audience to explain what's happening. Answer the questions on the next page about your chosen phenomenon.





More Practice → EARTH NEWS NETWORK STORY!

Explain to your audience the following:

1. Where the phenomenon/event is occurring?
2. Why the phenomenon/event is occurring - the cause as it relates to plate tectonics theory
3. When did the phenomenon/event start and how long it will continue
4. Details that explain the phenomenon/event more in depth
5. How this phenomenon/event influences the population and environment of the affected areas

*Complete your information on a piece of paper.

Review

Use this [website](#) to learn more about plate tectonics

[Quizizz](#) over plate tectonics

[Quizizz 2](#) over plate tectonics

Answers

Plate Boundary Diagram answer key

