

Earthquake Model Development

Name:

Period:

Scientists are expected to change and refine their ideas as they collect more information. As you learn more about earthquakes, your idea (model) of how they happen will (hopefully!) change as you increase your understanding about how Earth processes work.



Begin by talking with other students at your table. Have any of you ever experienced an earthquake? What was it like?

Start your thought processes by writing what you know about earthquakes already.

written explanation	diagram
Now, on your own, explain why you think earthquakes happen.	
Share your answer with your group. As a group, come up with an explanation as to why earthquakes happen.	

Next, you are going to start refining your idea of how earthquakes happen. This means that you will be changing it and improving it, based upon new information you learn in class.



written explanation	diagram
Update your explanation by adding the term crust .	

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written explanation	diagram
Update your explanation by adding the term fault .	
Update your explanation by adding the terms plate and plate boundaries .	
Update your explanation by adding the terms mantle and heat .	
Update your explanation by adding the term pressure .	

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