Go to Zoomschool.com name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ hour \_\_\_\_

under SCIENCE/BIOLOGY click Earth,

Click Continental Drift

1. How thick are the tectonic plates? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Look at the plate animation. How many million years ago were most of the plate on the bottom of the Earth? \_\_\_\_\_\_\_\_\_\_\_\_\_
3. Draw an arrow to the plate that you live on…..what is it’s name?



1. Read about the theory of plate tectonics. Where do most volcanoes and earthquakes occur on the Earth and Why??? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. What are the three types of plate movement?
	1. b. c.
2. BRIEFLY Describe all three movements and include a simple drawing of them:
	1.
	2.
	3.
3. When two plates **separate** in the ocean, describe what happens. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Describe what happens when an oceanic plate and a continental plate **collide.**

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1. How about two ocean plates? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. And two continental plates? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. At lateral movement, What is the name of the plate boundary? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What scientist first proposed the theory of Continental Drift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. How long ago were the continents connected? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Watch the animation of Pangaea splitting apart. Which major country of the world was an island 65 mya? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. **Go to Youtube.com,** search: GeoDharmaYT. Watch the 1:14 minute video.
	1. What happens to cooler rock in the mantle? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Describe what happened to the ocean plate? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Now search ‘Himalayan Collision’, watch the :13 second animation.
	1. Which county is colliding with Asia?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Then search ‘Mountain Building Animation’, watch the :17 second animation.
	1. When did India first touch Asia? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Does the continental crust (India) sink and melt? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Search “how a seismograph works”. watch the 1:05 minute clip.
	1. What modern device do most scientist use today? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Search ‘Earth 100 million years from now’. Watch the 3:19 movie.
	1. What are the two small plates directly south of the North American Plate? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. What will happen between Africa and Europe in 100 million years? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_