

# The Moving Crust

## Assignment #3 What Causes Continental Movement?

Name: \_\_\_\_\_

Instruction: Answer all questions in the spaces provided. Due: \_\_\_\_\_

1. In one or two sentences explain what the term “sea floor spreading” means.

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2. In one or two sentences explain what an “oceanic ridge” is.

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3. What is a subduction zone?

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4. What do convection currents have to do with sea floor spreading?

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5. At what kind of plate boundary does sea floor spreading occur?

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6. Explain where you would find the oldest sea floor and where you would find the newest sea floor.

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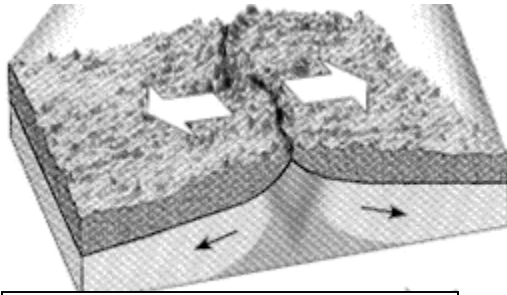
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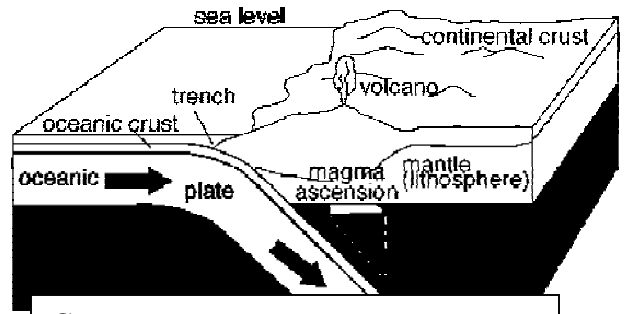
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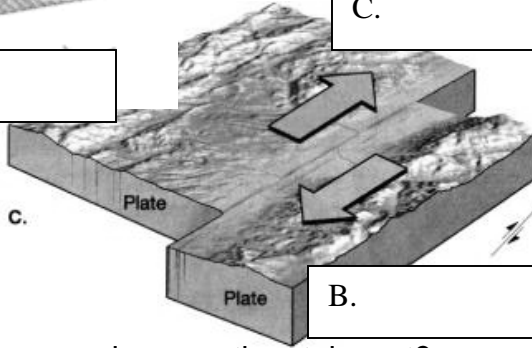
7. Label the following plate movements.



A.



C.



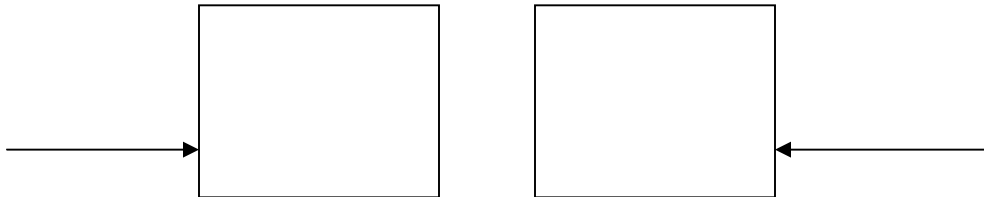
B.

8. Which is more dense, oceanic or continental crust?

9. What is usually formed when continental crust converges with more continental crust?

10. What happens when oceanic crust "hits" continental crust?

11. Draw "atoms" in the two boxes making the one cube denser than the other.



12. Label the 2 boxes above as denser and less dense.

**Feedback**

<ul style="list-style-type: none"> <li><input type="checkbox"/> Not complete by due date</li> <li><input type="checkbox"/> Answers lacked effort and knowledge</li> <li><input type="checkbox"/> Shows little understanding of plate movements and sea floor spreading.</li> <li><input type="checkbox"/> Redo/complete questions #'s</li> </ul> <p><input type="checkbox"/> Parent signature required</p> <p>_____</p> <p>_____</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Completed with accuracy</li> <li><input type="checkbox"/> More explanation needed for some questions</li> <li><input type="checkbox"/> Shows good understanding of plate movements and sea floor spreading</li> <li><input type="checkbox"/> Correct/improve questions #'s</li> </ul> <p>_____</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Completed with detail</li> <li><input type="checkbox"/> Excellent explanations given</li> <li><input type="checkbox"/> Shows excellent understanding of plate movements and sea floor spreading</li> <li><input type="checkbox"/> Improve questions #'s</li> </ul> <p>_____</p>
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