

Question 28

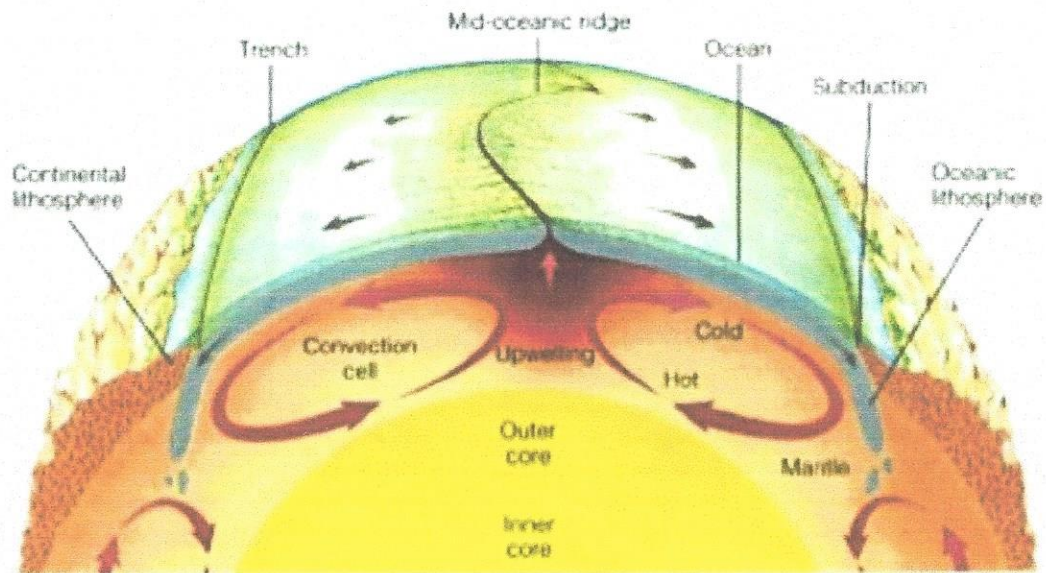
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The following questions are about geology and plate tectonics. *Make sure you correctly answer all three parts (A, B, and C) in order to receive full credit.*

A) Can heat change the density of matter? Answer Yes or No AND justify your answer.

B) How does that relate to what you learned about earth's structure and plate tectonics?

C) Using the equation $\text{density} = \text{mass} / \text{volume}$, explain what is happening in the picture below. Be sure to explain all processes that are shown in the picture.



Your Answer:

Question 29

Not yet graded / 25 pts

Explain, IN DETAIL, the following statement:

"We, and everything else on Earth, are made of stardust and Big Bang left-over materials."