

Name _____

Geo 3 Conv Curr Practice

Target	1	2 (all of 1 plus)	3 (all of 2 plus)	4 (all of 3 plus)
LE 5.7 Preparedness	Does not complete formative or summative in an effortful and timely manner, is not engaged, does not arrive on time with class materials ready to learn, does not communicate when issues arise	Completes formative or summative in an effortful or timely manner, is sometimes engaged, sometimes arrives on time with class materials ready to learn, sometimes communicates when issues arise	Completes formative or summative in an effortful and timely manner, remains engaged, arrives on time with materials ready to learn, communicates when issues arise	Completes formative or summative in an effortful and timely manner, remains engaged, arrives on time with materials ready to learn, communicates when issues arise, and is reflective on strengths and challenges within your preparedness skill
LE 5.6 Precision	Recognizes the importance of products that are planned, edited, and completed with care	Attempts products that are planned, edited, and completed with care	Creates products that are planned, edited, and completed with minimal errors	Creates products that are planned, edited, and completed free from errors or need for revision
Geo 3	I can recognize that Earth is broken into layers which have distinct characteristics	I can identify and describe the layers of Earth	I can describe the factors that cause the motion of the mantle and Earth's plates	I can describe how thermal convection and radioactive decay cause the motion of the mantle and Earth's plates
MP1 Geosphere	I can define the processes that create, alter and/or destroy rock formations	(all of 1 plus) I can explain the processes that create, alter and/or destroy rock formations	(all of 2 plus) I can interpret evidence of the past and current movement of crust to explain ages and structures of rock formations	(all of 3 plus) nailed it!

Convection Currents

1. What is the **lithosphere** made up of? _____
2. What are **tectonic plates** made of? _____
3. Explain what **processes within Earth** cause the **motion of the tectonic plates**. Include a diagram to support your answer.

*Start with the core
 Then the lower mantle
 Then move up the mantle
 And
 Then down the mantle...
 Also, diagram the effect on the plates*

The motion of the tectonic plates is a consequence of the _____ * _____ * in the mantle.

These _____ * _____ * are a consequence of

1. the hot core (that is heated by _____ and _____) heats the _____ ** _____ **
2. the _____ ** _____ ** becomes _____ dense
3. so it _____ ***
4. as it _____ *** it begins to _____ and becomes _____ dense
5. the _____ dense material _____ towards the core, resulting in _____ * _____ *

