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| Name: | Class: | Date: |

**Science 8: Earth Science Review**

Use your textbook and notebook to help you answer the questions in this review package.

“9.1” The Theory of Plate Tectonics

1. What are the three types of interactions that can occur at plate boundaries? What happens at each boundary?

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1. Volcanoes, mountains, rift valleys, oceanic ridges, and trenches occur at plate boundaries. Explain how each feature can be formed, (remember to include the types of plates involved).
2. Volcanoes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Mountains \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Rift valleys \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Mid-ocean ridges \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Trenches \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. How are plate movements measured?

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9.2 Earthquakes:

1. What is an earthquake and what causes them?

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1. List and describe the three different fault lines. Include how the faults move and the type of plate interaction involved.

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1. List and describe the three seismic waves.

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1. What is the difference between an epicenter and focus? Which seismic waves result from each?

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1. What is liquefaction?

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1. What is a tsunami and how are they created?

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9.3 Volcanoes

1. Describe each of the three different volcanoes studied in class in terms of its composition, size, and eruption.

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1. What is an intrusive volcano and what features can they have?

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1. What is the cause of hotspots and what is the result?

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