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| Veritas Classical SchoolsScienceAssignment SheetMrs. Julie O’Bryantjulieobryant@gmail.com615-541-9860**Our Planet Earth Assignment Sheet #9****Lessons 19 - 21****Lesson 19 – Plate Tectonics*** Read pages 76-79 in the textbook.
* Define the following vocabulary terms using the blanks pages provided. Be sure to write a complete definition and add an illustration for each one:

\_\_plate tectonics \_\_subduction zone\_\_Rodinia \_\_rifting\_\_subduction \_\_slip-strike faulting* Complete the notebooking pages for lesson 19 and add them to your binder.

**Lesson 20 – Mountains*** Read pages 80-81in the textbook.
* Define the following vocabulary terms using the blank pages provided. Be sure to write a complete definition and add an illustration for each one:

\_\_elevation\_\_actual height* Complete the notebooking pages for Lesson 20 and add them to your binder.

**Lesson 21 – Types of Mountains*** Read pages 82-85 in your textbook.
* Define the following vocabulary terms using the blank pages provided. Be sure to write a complete definition and add an illustration for each one:

\_\_depositional mountain \_\_monocline\_\_erosional mountain \_\_anticline\_\_fold mountain \_\_syncline\_\_fault \_\_dome* Complete the notebooking pages for Lesson 21 and add them to your binder.

Homework has been completed and checked by a parent.Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
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# Lesson 19 – Plate Tectonics

Prior to the 1960’s, what did most scientists believe about the earth’s crust?

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What is the currently accepted theory about the earth’s crust?

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What is the name of the theory? \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



Explain Holmes’s theory of how a single landmass became the seven (7) continents we have today. What is the slow movement called?

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# Lesson 19 – Plate Tectonics

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| What are the two names for a single original land mass?   |
| 1.  |
| 2.  |

What is the creationist theory about how the single landmass became the 7

continents? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is this view called? \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Genesis 1:9 states, “Let the waters under the heavens be gathered together into on place, and let the dry land appear.” What does this tell us about the original

design of the earth?

The Hebrew word baqa, for “broken up” means

Genesis 7:11 states, “all the fountains of the great deep were broken up.” What do you think this verse is describing? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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It is believed that there are \_\_\_\_\_\_ tectonic plates:

 \_\_\_\_\_ major plates \_\_\_\_\_\_ minor plates

# Lesson 19 – Plate Tectonics

Explain continental drift \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| What are the three (3) ways that tectonic plates move? (top of page 78)  |
| 1.  |
| 2.  |
| 3.  |

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| What are the two most common results of these movements? (page 78)  |
| 1.  |
| 2.  |

What is the nickname of the area surrounding the Pacific Ocean? (Pg78)

 (3 words)

Why is it called that?

Explain sea-floor spreading

# Lesson 20 – Mountains

What is a summit? (Do not look up actual definition- Use the context of the book)

What is a series of mountains in a given area called?

What is a series of mountain ranges called?

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| What is the highest mountain in the world?  |



What is the longest/most extensive mountain system in the world called?

What is the highest mountain range in the United States?

# Lesson 20 – Mountains

What is the largest mountain range in the Eastern United states?

Who first climbed Pike’s peak?

What patriotic song was written on Pike’s Peak?

# Lesson 21 – Types of Mountains

How are most mountains classified?

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| What are the four (4) categories of mountains?  |
| **1.**  |
| **2.**  |
| **3.**  |
| **4.**  |

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| Describe the three (3) ways depositional mountains are formed: (pg. 82-83)  |
| 1.  |
| 2.  |
| 3.  |

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| What are the two (2) most common kinds of mountains?  |
| 1.  |
| 2.  |

Lesson 21 – Types of Mountains

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| What are the five (5) basic types of folding that can occur to create mountains:  |
| 1.  |
| 2.  |
| 3.  |
| 4.  |
| 5.  |

NameDate