**Plate Tectonics Stations**

***Directions:*** *The stations are located throughout the room. You do NOT have to go in order.*

*You may move to any station that is open. You may move as a group ONLY. (2-3 people per group). Only 1 group per station, please- you may not move to a station that already has a group present.*

***Use the “study station”, your notes or teacher help if you are stuck.*** *Only 2 teacher “help” allowed per group! ☺*

*WRITE IN COMPLETE SENTENCES THAT ADDRESSES THE QUESTION! USE ADDITIONAL PAPER IF NECESSARY.*

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| Station 1  1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_theorized that continents are moving away from each other.  2.  3.  -  -  - | Station 2  1.  2.  3.  4. |
| Station 3  1. \_\_\_\_\_\_\_theorized that sea floor is spreading along the mid-ocean ridge.  2.  3. | Station 4  1.  2.  3. |
| Station 5  1. There are two types of plates. They are called  \_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_\_\_.  2. \_\_\_\_\_\_\_\_\_\_\_\_\_plate is less dense than \_\_\_\_\_\_\_\_plate.  3. If the two plates collide, \_\_\_\_\_\_\_\_\_plate will sink  because it is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  4. Where the two plates meet and interact is called \_\_\_\_\_\_\_\_\_\_\_\_\_. | Station 6   1. In divergent boundary, the plates \_\_\_\_\_\_\_ from each other.   2. Illustrate this type of boundary with arrows indicating direction.    3. When two oceanic plates diverge, \_\_\_\_\_\_\_\_\_\_is formed along mid-ocean ridge.  4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is formed when the continental plate moves away from each other. The most famous one is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_(found in Africa). |
| Station 7   1. When 2 plates move toward each other and collide, it is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_boundary. 2. Illustrate this type of boundary with arrows indicating direction. 3. When two plates collide, the two either \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_. | Station 8   1. When two oceanic plates move toward each other and collide, it is called \_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_boundary. 2. At this boundary, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_plate \_\_\_\_\_\_\_\_\_\_\_\_under a younger, less denser plate. 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_ is formed at this boundary. 4. Famous examples of this type of boundary are:   5. Illustrate this boundary with arrows and include landforms |
| Station 9   1. When two continental plates move toward each other and collide, it is called \_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_boundary.   2. At this boundary, neither plate is subducted. Instead, the plates \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_is formed at this boundary.  4. Famous example of this type of boundary is:  5. Illustrate this boundary with arrows and include landform | Station 10   1. When 1 oceanic and 1 continental plates collide, it forms\_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_boundary. 2. At this boundary, \_\_\_\_\_\_\_\_\_\_\_\_subducts under \_\_\_\_\_\_\_\_\_\_\_\_\_. 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_are formed at this boundary. 4. Famous example of this type of boundary is:   5. Illustrate this boundary with arrows and include landform |
| Station 11  1. When two plates slide past one another horizontally, we call it\_\_\_\_\_\_\_\_\_\_\_boundary.  2. In this boundary, no new crust is created and no crust is subducted. Instead \_\_\_\_\_\_\_\_\_\_builds up.  3. When the built up energy is released, \_\_\_\_\_\_\_\_\_\_\_ is created.  4. When layers of the earth is broken due to stress, it is called \_\_\_\_\_\_\_\_\_\_\_.  5. Illustrate this boundary with arrows and include landform | Station 12  1.  2.  3.  4. |
| Station 13  1.  2.  3. | Station 14\*\*\*\*\* SPECIAL CHALLENGE!  1.  2.  3. |

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| You have a quiz tomorrow on this topic. Please study. Make sure you have this completed along with your worksheet(organizer) from the other day(**EARTH’S STRUCTURE & TECTONIC PLATES REVIEW**) front and back . They are both due tomorrow as homework check. |