**Crust Lab**

*What happens when continental crust converges with oceanic crust?*

1. Fill in the data table below one row at a time.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Rock Name** | This rock is representative of **what type of crust?** | **Mass (g)**  (measure with electronic scale) | **Volume (mL)**  Measure liquid from overflow container with graduated cylinder | **Density (g/mL)**  Calculate, D=mass/volume |
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|  |  |  |  |  |

2. Send someone up to fill in the class data table on the board.

3. List the rocks from most dense to least dense.

4. Find the **average** density of each type of crust:

|  |  |
| --- | --- |
| Continental Crust (g/mL) | Oceanic Crust (g/mL) |
|  |  |

5. Which type of crust is more dense?

6. Based on your understanding of density, what might happen at a convergent plate boundary where oceanic crust is converging with continental crust? Use complete sentences and sketch a diagram.