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|   | OBJECTIVE:  | NAME: |
| PERIOD: |
| DATE: |
| **ESSENTIAL QUESTION:** Why are the Earth’s layers positioned the way that they are? |
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| **QUESTIONS:** | What have you already learned about the layers of the Earth? |
|  | Density and Earth’s Structure (Draw the picture) |
|  | **Model of the Earth**: Pick something that could represent the Earth and its layers. Draw and label it below. |
|  | What patterns did you see in the pictures? Why are the layers positioned the way that they are? |
|  | **Fill in the blanks:**1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: Materials are sorted according to their \_\_\_\_\_\_\_\_\_\_\_\_
	1. Most dense materials settle to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ dense materials go to the top.
2. How would gold, aluminum and lead be sorted according to their densities?

**Particle size:** materials are also sorted according to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_C:\Users\ayost\AppData\Local\Microsoft\Windows\INetCache\Content.Word\sedsizecard.gif |
|  | How would the sediments sort as the energy of the river decreases? **Draw it!**Explain your answer above. |
|  | 1. **Rivers**: sand easily travels \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (due to \_\_\_\_\_\_\_ from water), whereas \_\_\_\_\_\_\_\_\_\_\_\_ are most likely to remain \_\_\_\_\_\_\_\_\_\_\_\_\_.
	1. Sediments in streams wear down rocks over time.
2. **Road cuts**: layered materials with different \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and particle sizes of materials.
3. **Beaches**: sand is likely to wash onto shore due to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (again, \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the cause)
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| **SUMMARY:** |
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