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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) | |
| **SUMMARY:** | | |
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