

**Phenomena:**

**Day 1.**

|             |  |
|-------------|--|
| I see...    |  |
| I think...  |  |
| I wonder... |  |

**Day 2. Although this image was not taken in Memphis, what does the concept have to do with your life?**

**Lagos, Nigeria: 8.ESS3.1** Interpret data to explain that Earth's mineral, fossil fuel, and groundwater resources are unevenly distributed as a result of tectonic processes.

Directions: Students will build an aquifer. Students will take observations as they go through the investigation. After students will answer the questions.

Questions:

- a. Before I pour water in, which layer(s) will best act as an aquifer?

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- b. Does this layer have water in it, why or why not?

\_\_\_\_\_

- c. What does this represent?

\_\_\_\_\_

- d. Discuss the importance of groundwater and how people use it.

\_\_\_\_\_

**Caracas, Venezuela: 8.ESS3.1** Interpret data to explain that Earth's mineral, fossil fuel, and groundwater resources are unevenly distributed as a result of tectonic processes.

Which of the four locations and depths would be the best and worst places to dig a well.

- a. List them in order from best to least

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- b. Use the RACE Method to respond.

|          |                       |  |
|----------|-----------------------|--|
| <b>R</b> | Restate the question  |  |
| <b>A</b> | Answer the question   |  |
| <b>C</b> | Cite Evidence         |  |
| <b>E</b> | Explain your response |  |

