Student Response Sheet

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Water Sorting**

Purpose:

Hypothesis:

Materials: 4 small jars with one sediment each, 1 large jar with all 4 sediments, pictures, clock

Procedure:

1. Shake each small jar individually and time how long it takes all the sediment to settle.

2. Shake the big jar and let it sit all period. Draw it at the end.

3. Look at each picture and describe what type of sediments are present and how the sediments settled out.

Data:

 Drawing of big jar:

 Label the layers:

|  |  |
| --- | --- |
| **Name of Sediment** | **Time to Settle** |
|  |  |
|  |  |
|  |  |
|  |  |

**Pictures:**

|  |  |  |
| --- | --- | --- |
| **Number** | **Type of sediments** | **How or why it settled:** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
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|  |  |  |
|  |  |  |

Analysis:

1. Which sediments settled fastest? Why?

2. Which sediments settled slowest? Why?

3. How does density affect the speed that particles settle?

4. What do landscapes formed by settling particles look like in nature?

Conclusion: