

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**“Earth Materials”  
Summative Assessment**

1. Sort the samples of earth materials into two groups, **rocks or minerals**. Show your results by writing the letters of the samples in the chart below.

<b>Rocks</b>	<b>Minerals</b>

2. What is the difference between a rock and a mineral?

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The State of Delaware is going to build an outside statue. Three different earth materials were suggested for building this statue: samples X, Y, and Z. Listen to your teacher's instructions to complete the charts.

3. Write the physical properties of your samples on the chart below.

<b>Observations: Color, Luster, and Texture</b>			
<b>Sample X</b>	<b>Color:</b>	<b>Luster:</b>	<b>Texture:</b>
<b>Sample Y</b>	<b>Color:</b>	<b>Luster:</b>	<b>Texture:</b>
<b>Sample Z</b>	<b>Color:</b>	<b>Luster:</b>	<b>Texture:</b>

4. Write your results on the chart below.

<b>Actual Test Results</b>				
<b>a. Scratch Test</b>				<b>b. Vinegar Test</b>
Record your results below using the words <b>Yes</b> or <b>No</b>				
	<b>Paper Clip Test</b>	<b>Penny Test</b>	<b>Finger Nail Test</b>	Record your observations in the spaces below.
<b>Sample X</b>				
<b>Sample Y</b>				
<b>Sample Z</b>				

5. Name the mineral that fizzes when you put vinegar on it. Explain your answer using the results from your testing.

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6. Which sample—X, Y, or Z—would make **the best** outside statue?

Circle one:    **X**        **Y**        or        **Z**

Give **two reasons** why this sample would be good for an outside statue using evidence from your charts.

a. \_\_\_\_\_

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b. \_\_\_\_\_

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