Mineral Properties

Procedure

1. **Classify** Use the chart you made for the activity on page 159 to help you classify the minerals into two groups: metallic minerals (shiny like metal) and nonmetallic minerals (dull or glassy). Record your results.

<table>
<thead>
<tr>
<th>Mineral Sample Number</th>
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<tbody>
<tr>
<td>Metallic Minerals</td>
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<tr>
<td>Nonmetallic Minerals</td>
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</table>

2. **Compare** Use a fingernail to test each mineral for hardness. Record "N" in the chart below for any minerals that can be scratched with a fingernail.

<table>
<thead>
<tr>
<th>Mineral Sample</th>
<th>Hardness</th>
<th>Name</th>
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</table>

3. Repeat step 2 using a copper penny. Record "C" in your chart for minerals that can be scratched with copper. Repeat using a
Conclusion

Write the answers to the questions below.

1. Infer How did the properties you observed help you identify the minerals?

2. Hypothesize Why might you be unable to identify some of the minerals you observed?

Ask Questions

What questions do you have about identifying minerals? Observe the minerals again and then make a list of questions. Can you use these questions to design other tests to identify minerals? Explain.