Section Assessment

Vocabulary
1. What is temperature?
   (the heat energy a substance has)

Energy and Matter
2. Which cup of liquid has more heat energy? Circle your answer.

Measuring Temperature
3. Use a thermometer to measure the temperature of air and then water in Fahrenheit and Celsius. Record your data in the table below.

<table>
<thead>
<tr>
<th>Air Temperature</th>
<th>Water Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>°F</td>
<td>°C</td>
</tr>
<tr>
<td>20°C</td>
<td>10°C</td>
</tr>
</tbody>
</table>

   *Not provided in kit

Materials
For each station
1. plastic cup
2. thermometer
   * water, varying temperatures

Student Resource
• 1.4 Section 1 Assessment

1. Set up enough materials stations around the room to allow one-third of the class to work alone at a station during the hands-on portion of the assessment. Make some cups of water warm and others cold so that students at different stations will record different temperatures. If you prefer, make all of the cups the same temperature by filling them with ice and then adding water.

2. Make copies of Student Resource 1.4, Section 1 Assessment, and distribute to students. Have students complete the sheet independently.

3. Divide the class into three groups. While one group is working at the stations to complete the hands-on portion of the assessment, the other two groups can be completing the top part of the Resource page. Rotate the groups through the stations until each has completed the hands-on portion of the assessment. As students are measuring air and water temperature, walk around the room to assess if they are reading the thermometers accurately.

4. Discuss the answers as a whole class activity.