

Solids and Liquids: Goals and Assessment Strategies

Concepts	
Goals	Assessment Strategies
<p>Solids and liquids can be described by their properties. Lessons 1–17</p>	<p>Lessons 1, 8–10, 15–17, and Additional Assessments 1–3</p> <ul style="list-style-type: none"> ■ Pre- and post-unit assessments ■ Science journals ■ Record sheets ■ Class lists, charts, and Venn Diagrams ■ Class discussions ■ Student presentations ■ Teacher observations ■ Individual student conferences
<p>Some properties of solids are color, shape, ability to roll or stack, hardness, magnetic attraction, and whether they float or sink. Lessons 1–9, 16–17</p>	<p>Lessons 1, 8–9, 16–17, and Additional Assessments 1–3</p> <ul style="list-style-type: none"> ■ Pre- and post-unit assessments ■ Science journals ■ Record sheets ■ Class lists, charts, and Venn Diagrams ■ Class discussions ■ Student presentations ■ Teacher observations ■ Individual student conferences
<p>Some properties of liquids are color, tendency to flow, degree of viscosity or fluidity, whether they are miscible with water, and whether they float or sink in water. Lessons 10–17</p>	<p>Lessons 10, 15–17, and Additional Assessments 1–3</p> <ul style="list-style-type: none"> ■ Pre- and post-unit assessments ■ Science journals ■ Record sheets ■ Class lists, charts, and Venn Diagrams ■ Class discussions ■ Student presentations ■ Teacher observations ■ Individual student conferences
<p>Tests can be performed to investigate properties of solids and liquids that cannot otherwise be observed. Lessons 3–7, 9, 12–15</p>	<p>Lessons 9, 15, and Additional Assessments 2–3</p> <ul style="list-style-type: none"> ■ Science journals ■ Record sheets ■ Class lists and charts ■ Class discussions ■ Teacher observations ■ Individual student conferences

Skills	
Goals	Assessment Strategies
<p>Observing and describing the properties of solids and liquids. Lessons 10–16</p>	<p>Lessons 1, 8–10, 15–17, and Additional Assessments 1–3</p> <ul style="list-style-type: none"> ■ Pre- and post-unit assessments ■ Science journals ■ Record sheets ■ Class lists, charts, and Venn Diagrams ■ Class discussions ■ Student presentations ■ Teacher observations ■ Individual student conferences

Solids and Liquids: Goals and Assessment Strategies (continued)

Goals	Assessment Strategies
<p>Conducting tests to investigate the properties of solids and liquids. Lessons 3–7, 9, 12–15</p>	<p>Lessons 9, 15, and Additional Assessments 2–3</p> <ul style="list-style-type: none"> ■ Science journals ■ Record sheets ■ Class lists and charts ■ Class discussions ■ Teacher observations ■ Individual student conferences
<p>Sorting solids into groups on the basis of their properties. Lessons 2–8</p>	<p>Lesson 8 and Additional Assessment 3</p> <ul style="list-style-type: none"> ■ Science journals ■ Record sheets ■ Class lists, charts, and Venn diagrams ■ Class discussions ■ Teacher observations ■ Individual student conferences
<p>Comparing similarities and differences among solids. Lessons 1–9, 16–17</p>	<p>Lessons 1, 8–9, 16–17, and Additional Assessments 2–3</p> <ul style="list-style-type: none"> ■ Pre- and post-unit assessments ■ Science journals ■ Record sheets ■ Class lists, charts, and Venn diagrams ■ Class discussions ■ Student presentations ■ Teacher observations ■ Individual student conferences
<p>Comparing similarities and differences among liquids. Lessons 10–17</p>	<p>Lessons 10–17 and Additional Assessments 2–3</p> <ul style="list-style-type: none"> ■ Pre- and post-unit assessments ■ Science journals ■ Record sheets ■ Class lists, charts, and Venn diagrams ■ Class discussions ■ Student presentations ■ Teacher observations ■ Individual student conferences
<p>Applying tests to investigate new solids and liquids. Lessons 9, 15</p>	<p>Lessons 9, 15, and Additional Assessment 1</p> <ul style="list-style-type: none"> ■ Science journals ■ Record sheets ■ Class lists, charts, and Venn diagrams ■ Class discussions ■ Teacher observations ■ Individual student conferences
<p>Comparing the properties of solids with the properties of liquids. Lesson 16</p>	<p>Lesson 16 and Additional Assessment 3</p> <ul style="list-style-type: none"> ■ Science journals ■ Class Venn diagram ■ Class discussions ■ Student presentations ■ Teacher observations ■ Individual student conferences
<p>Communicating ideas, observations, and experiences through writing, drawing, and discussion. Lessons 1–17</p>	<p>Lessons 1, 8–9, 15, 17, and Additional Assessments 1–3</p> <ul style="list-style-type: none"> ■ Pre- and post-unit assessments ■ Science journals ■ Record sheets ■ Class lists, charts, and Venn diagrams ■ Class discussions ■ Student presentations ■ Teacher observations ■ Individual student conferences

Attitudes	
Goals	Assessment Strategies
<p>Accepting that there is more than one way to describe solids and liquids. Lessons 1–17</p>	<p>Lessons 1, 8–10, 15–17, and Additional Assessments 1–3</p> <ul style="list-style-type: none"> ■ Pre- and post-unit assessments ■ Science journals ■ Record sheets ■ Class lists, charts, and Venn diagrams ■ Class discussions ■ Student presentations ■ Teacher observations ■ Individual student conferences
<p>Recognizing the importance of organizing information and results on charts. Lessons 1–17</p>	<p>Lessons 1, 9–10, 15–17, and Additional Assessments 2–3</p> <ul style="list-style-type: none"> ■ Pre- and post-unit assessments ■ Science journals ■ Record sheets ■ Class lists, charts, and Venn diagrams ■ Class discussions ■ Student presentations ■ Teacher observations ■ Individual student conferences
<p>Developing an interest in investigating the physical world. Lessons 1–17</p>	<p>Lessons 1, 9, 15–17, and Additional Assessment 1</p> <ul style="list-style-type: none"> ■ Science journals ■ Class discussions ■ Student presentations ■ Teacher observations ■ Individual student conferences