

## Student Profile \_\_\_\_\_

## Sound

### Science Concepts—page 2

Science Concepts	Evidence of Learning
<p><b>Sounds have different characteristics including pitch, volume, and timbre.</b></p> <ul style="list-style-type: none"><li>• Sounds have different characteristics including pitch and volume.</li><li>• Pitch is the relative highness or lowness of a sound.</li><li>• Stretching the material of a drumhead creates higher tension and higher pitch.</li><li>• Increasing the tension of a rubber band raises the pitch; decreasing the tension lowers the pitch.</li><li>• Larger objects produce a lower pitch than smaller objects when made of the same material.</li><li>• Volume is the loudness or softness of a sound.</li><li>• When more energy or force is used to make a sound, the volume increases.</li><li>• Amplification increases the amount of material vibrating.</li><li>• Sound quality is a complex characteristic that is different from volume and pitch.</li></ul>	
<p><b>Sounds are transmitted better through some materials than others.</b></p> <ul style="list-style-type: none"><li>• Air and other materials can transmit sound.</li><li>• Sound travels through some materials better than others.</li><li>• String can transmit sound.</li><li>• A variety of factors influences the transmission of sounds.</li></ul>	