



# Pioneer Cornell Notes Page

Topic: Properties of Sound  
Green Group

Name:	Date:
Class:	Period:
Subject:	Teacher:

Main ideas/Questions:	Note Taking Column
<p>A question about sound that I have that I want to find out in this lesson is...</p> <p>Why do you think a Dr. uses a stethoscope when he wants to listen to your lungs:</p> <p>Diagram some of the factors that affect sound's speed.</p> <p>Medium:</p> <p>Temperature:</p> <p>Density:</p> <p>Would you be able to talk on the moon?</p>	<p>I What is sound? I What is sound? It's a vibration!</p> <p>A. Anything that _____ produces sound.. Sound is produced when matter vibrates and travels as a _____ wave.</p> <p>B. The speed of how fast sound travels can be _____ ) = _____</p> <p>C. The speed of sound can change depending upon these 4 factors:</p> <ol style="list-style-type: none"> <li>1. <b>The</b> _____ the sound is traveling through.</li> <li>2. <b>The</b> _____ <b>of the medium</b> <ol style="list-style-type: none"> <li>a. _____ the temperature of a medium makes the motion of the particles _____ and they move _____.</li> <li>b. It's _____ for the particles to move and return to their original _____ when the wave has passed.</li> <li>c. Sound can travel _____ when the temperature is higher.</li> </ol> </li> <li>3. <b>The Medium's</b> _____ How well the particles can return to their original position after the wave passes by them.           <ol style="list-style-type: none"> <li>a. It's _____ for sound to travel through the medium when the particles are bound _____ together ( like concrete) rather than _____ whose particles are loosely bound like sand or _____.</li> <li>b. _____ are more _____ than liquids or gases.</li> <li>c. Particles in solids don't move very far apart and they _____ back to their original positions easily after the _____ passes _____ them</li> </ol> </li> <li>4 <b>The</b> _____ <b>of the medium</b> (the number of particles in a _____ )           <ol style="list-style-type: none"> <li>a. The _____ r the medium, the _____ the sound can travel because sound needs to get the molecules _____ The more molecules there are _____ the sound will _____.</li> <li>b. The _____ the wave the harder it is for _____ t to travel.</li> </ol> </li> </ol>



