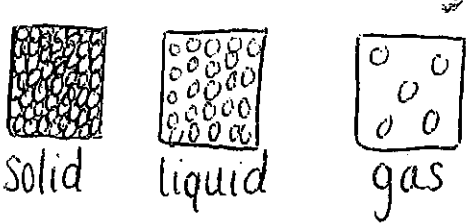


What does transfer mean?	Transfer means to move through.
What is sound?	Sound is a wave that is made by a vibrating object and travels through matter.
What is vibration?	Vibration is a back-and-forth motion.
How does sound travel in a solid, liquid, and gas?	Sound travels <u>fastest</u> in a solid because the particles are packed closest together.
 <p>solid liquid gas</p>	<p>Out of the three states of matter, liquid is the <u>second fastest</u>. The particles are closer together than a gas. They are not as close as a solid.</p> <p>Sound travels <u>slowest</u> in a gas because the particles are more spread apart.</p>
How do earthquakes transfer energy through waves?	Energy is moved through the ground and is transferred to buildings and people. We feel the energy (shaking ground). Buildings can be damaged because of the energy from the earthquake.
What is a seismic wave?	A seismic wave is an earthquake wave.
What is a medium for an earthquake?	The medium for an earthquake wave is the ground.

<p>Mechanical Wave</p>	<p>waves that transfer energy through matter; waves that transfer energy through a medium</p>
<p>Transverse Wave</p>	<p>a wave in which matter moves at right angles to the wave direction; the disturbance is at a right angle to the movement of the energy</p>
<p>Longitudinal Wave</p>	<p>a wave in which the disturbance (vibration) is in the same direction as that in which the wave is traveling</p>
<p>Vibration</p>	<p>a rapid back and forth movement</p>
<p>Sound Wave</p>	<p>a longitudinal wave caused by vibrations and carried through a medium</p>