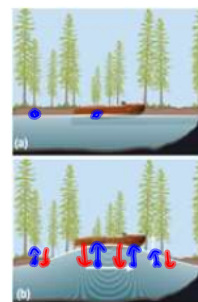
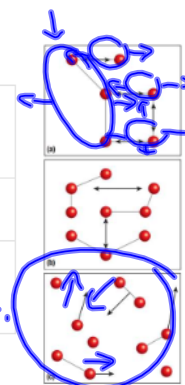


SPH3U 8.1 Vibrations**1. Vibrations and mechanical waves**

Vibration:	cyclical motion about an equilibrium.
equilibrium	middle point or rest position.
Mechanical wave:	transfer of energy through a <u>medium</u> by vibration
medium	the material that is vibrating
net motion	the displacement of a particle in the medium; this is normally 0.

**2. Particle behaviour in different media**

Waves in solids:	very efficient at transmitting waves → waves go far and fast.
elastic material	medium that retains its original shape.
Waves in fluids:	(liquids & gases) less efficient. liquids > gases. <u>gases</u> : waves use mostly translational movement.



Homework: page 380: #1-4