

PS - Mar 7

CLT ss will describe
the following topics:
Sub sonic, Supersonic,
Water waves
Infra sonic, ultrasonic
also, "sound needs molecules"

speed of sound in air,
at room temperature,
is $343 \frac{m}{s}$ $\left(767 \frac{mi}{hr}\right)$
light (in a vacuum)
 $300,000,000 \frac{m}{s}$

If something is moving
at the speed of sound
we have a special name
for that... Mach 1
if twice the speed of sound..
Mach 2

If something is faster
than sound, we call it...
Supersonic
if slower than sound,
Subsonic

Range of human hearing
20 - 20,000 Hz
Too high to hear? ultrasonic
Too low to hear? infrasonic

