SOUND WAVES **Page 376**

The speed of sound at 20 degrees C is approx 343 m/s (MACH 1)

+3.6 = 1234.8 km/h

In general - fastest in solids
- slower in liquids
-slowest in gases

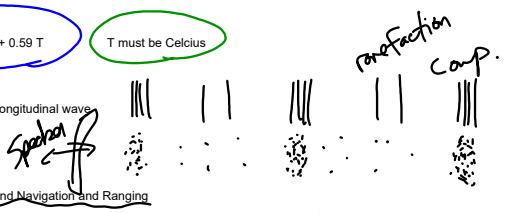
steel 5000 m/s

IN AIR:

0°C

V = 331.29 + 0.59 T

T must be Celcius



Sound is a longitudinal wave

Sonar: Sound Navigation and Ranging

Uses sound waves sent out that bounce off the bottom and uses v = d/t to determine the distance to objects.

Dec 15-10:31 AM