

Task 15

Alef lesson

#88

Apply

Science Book
Section

6.3

Science Book

Pages

229 - 230

Properties of Sound Waves: Pitch

FULL NAME: _____

What is **pitch**?

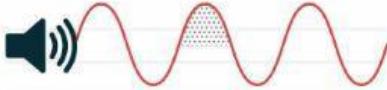
What kind of pitch do women usually have?

Why?

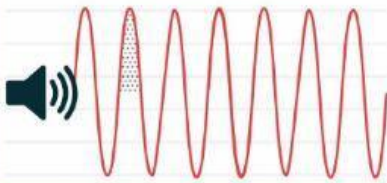
What kind of pitch do men usually have?

Why?

Low Frequency = Low Pitch



High Frequency = High Pitch



Their voices have a **low** range of frequencies.

Their voices have a **high** range of frequencies.

lower pitch

The perception we have of sound.
How high or low a sound seems.

طَبَقَةُ الصَّوْتِ

higher pitch

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Properties of Sound Waves: Speed

What does a sound wave
need to **travel**?

What medium (matter)
do sound waves
move slower in?

1.

What **2** things affect the
speed
of a sound wave?

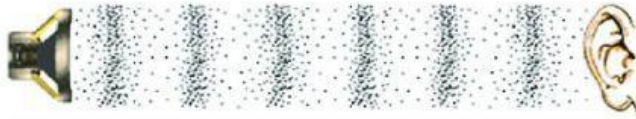
1.

2.

What medium (matter)
do sound waves
move faster in?

1.

2.



FULL NAME: _____

Temperature, Matter, and Sound Waves

Sound waves in gases ...

Higher temperature = _____

Why?

Sound waves in solids and liquids ...

_____ temperature = faster

Why?

At high temperatures, the particles move faster and collide (hit) more often..

they need a medium (matter)

gases

the medium

liquids

solids

the temperature

At low temperatures, the particles are closer together so sound moves quickly in a short distance.

lower

faster