

# Task

**15**

Alef lesson

**#88**

Apply

Science Book Section

**6.3**

Science Book

Pages

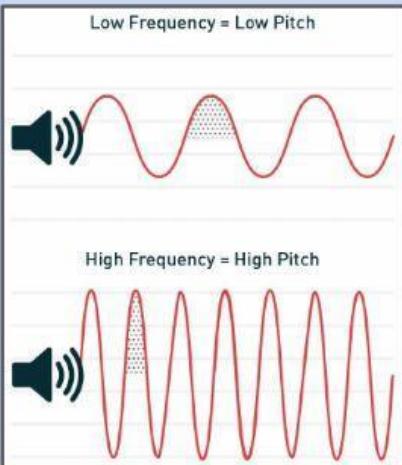
229 - 230

## 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?

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.

طبقه الصوت

**higher pitch**

# Task

## 15

Alef lesson

### #88

Apply

Science Book Section

## 6.3

Science Book Pages  
229 - 230

### Properties of Sound Waves: Speed

FULL NAME: \_\_\_\_\_

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

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

Temperature, Matter, and Sound Waves

1.

Sound waves in gases ...

Higher temperature = \_\_\_\_\_

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

1.

2.

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

1.

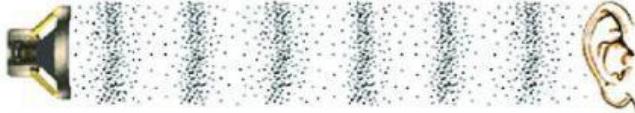
2.

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