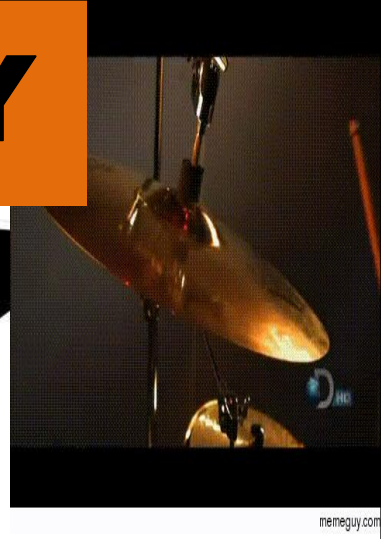
SOUND ENERGY









KASADHA ABBEY

0772 509594

String instruments



These are instruments that produce sound by plucking or bowing the string

Examples of string musical instruments

- Guitar
- Bow harp
- Lyre
- Violin
- Tube fiddle
- Viola
- Cello
- Banjo
- Ukelele
- Double bass
- Sitar

A sitar



A sitar



A sitar



A sitar produces sound by vibration of the strings when plucked

Ukelele



Ukelele



A ukelele produces sound by vibration of the strings when plucked

Guitar



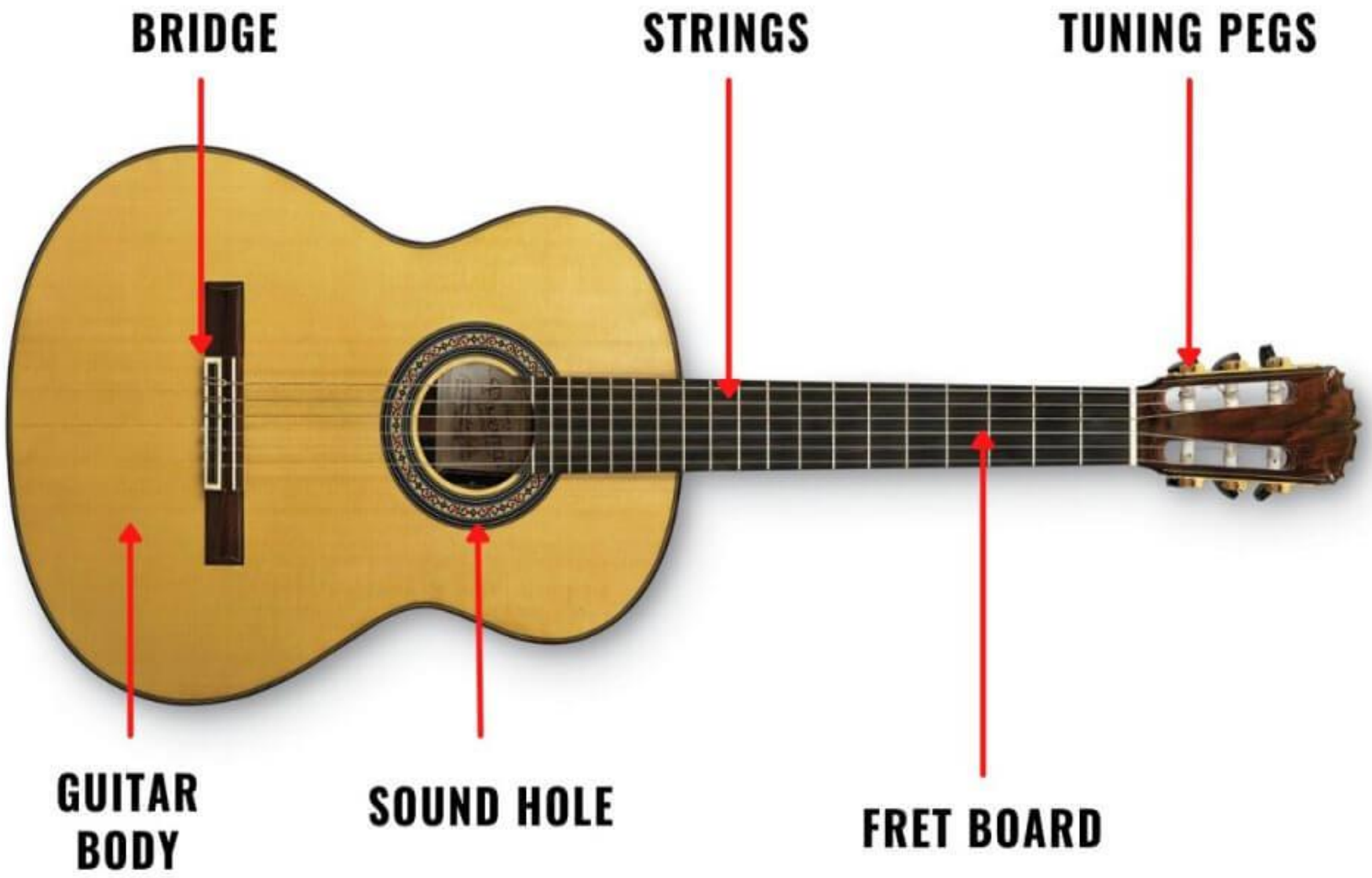


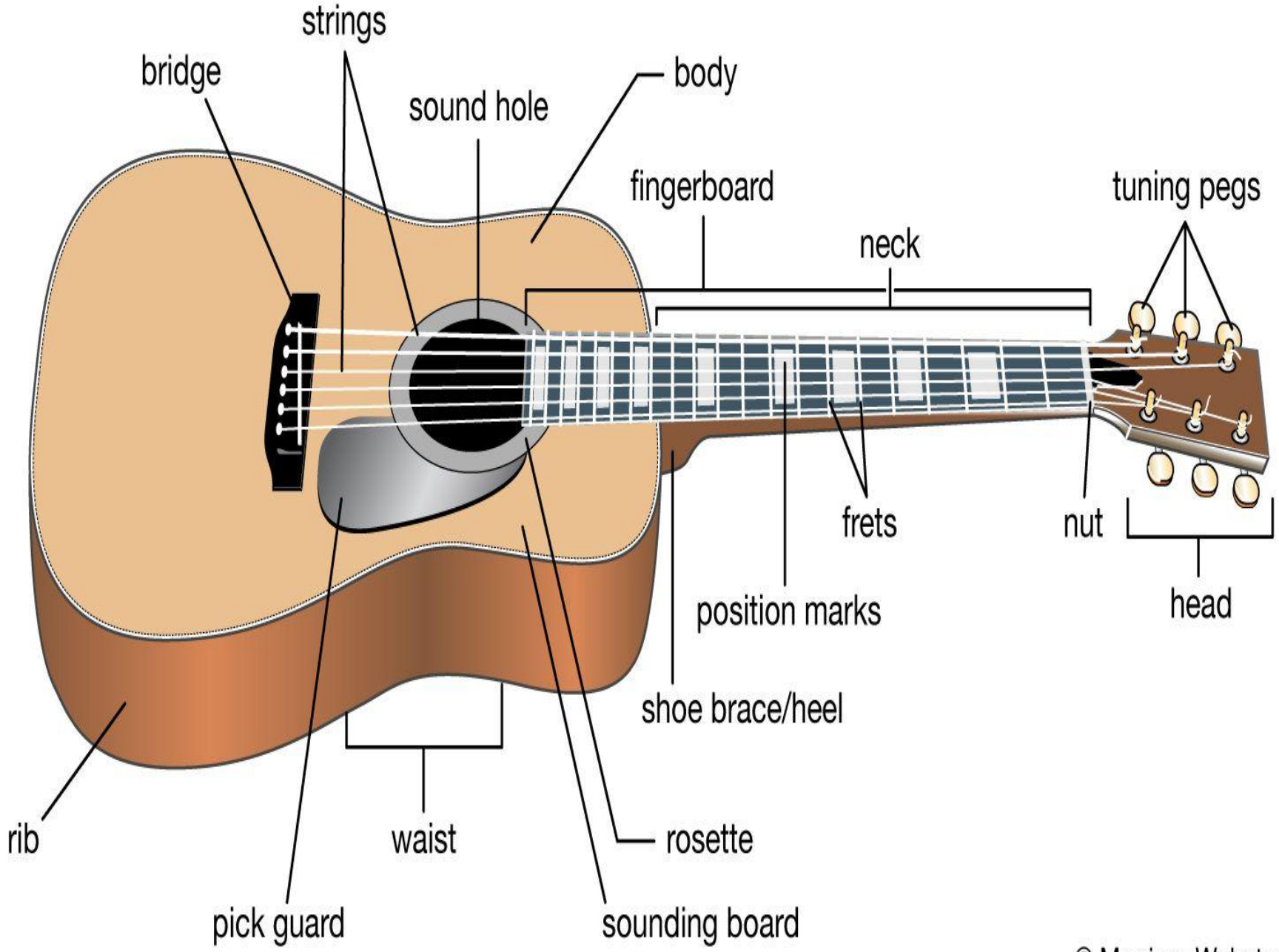
A guitar produces sound by vibration of the strings when plucked








BRIDGE
STRINGS
TUNING PEGS
GUITAR BODY
SOUND HOLE
FRET BOARD



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Guitar vs. Ukulele



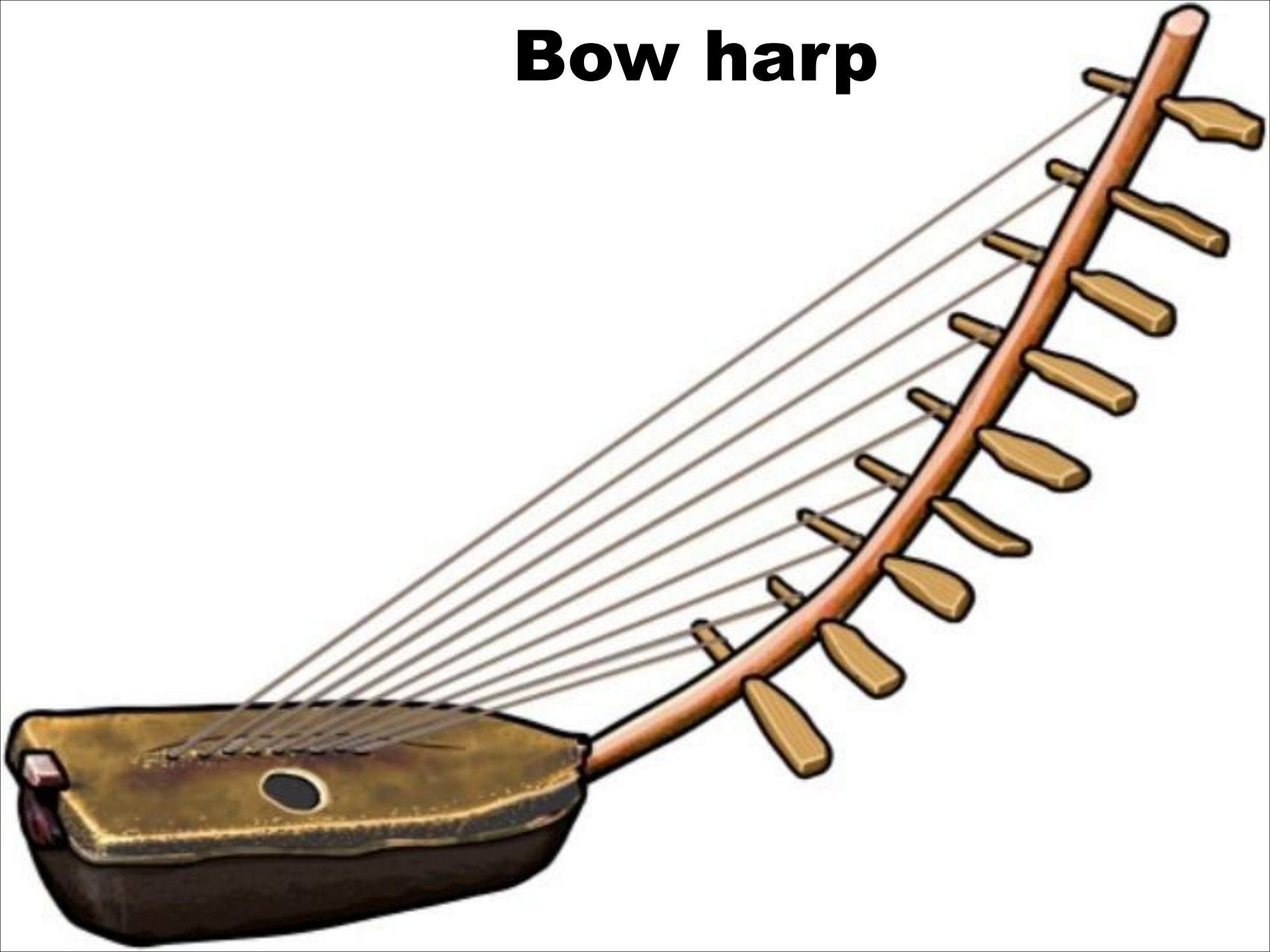




Bow harp



Bow harp



Bow harp



A bow harp produces sound by vibration of the strings when plucked

A lyre



A man playing a lyre



A lyre produces sound by vibration of the strings when plucked



Banjo



Banjo



Banjo



A banjo produces sound by vibration of the strings when plucked

A tube fiddle



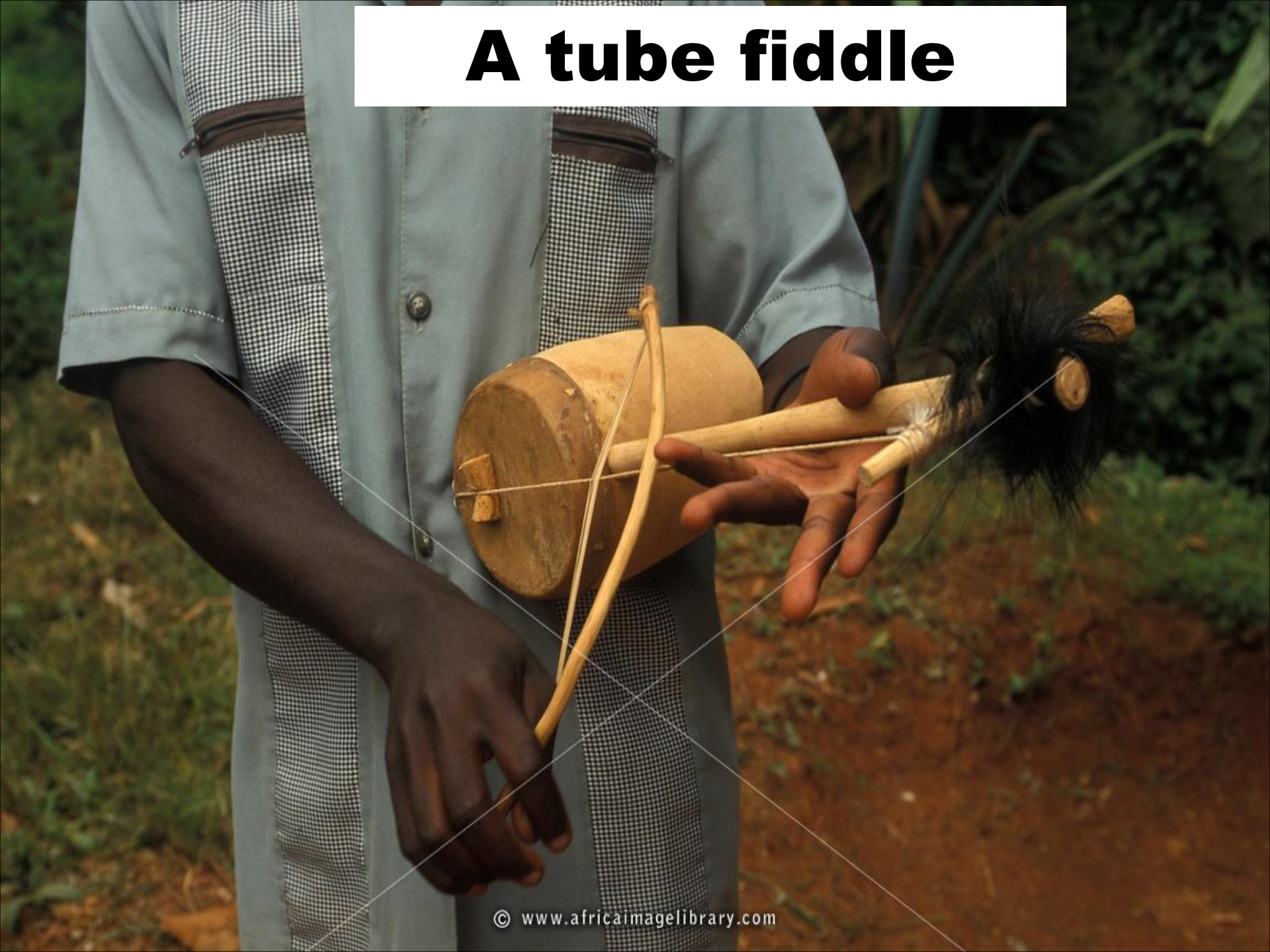
A tube fiddle





A tube fiddle produces sound by vibration of the string when bowed

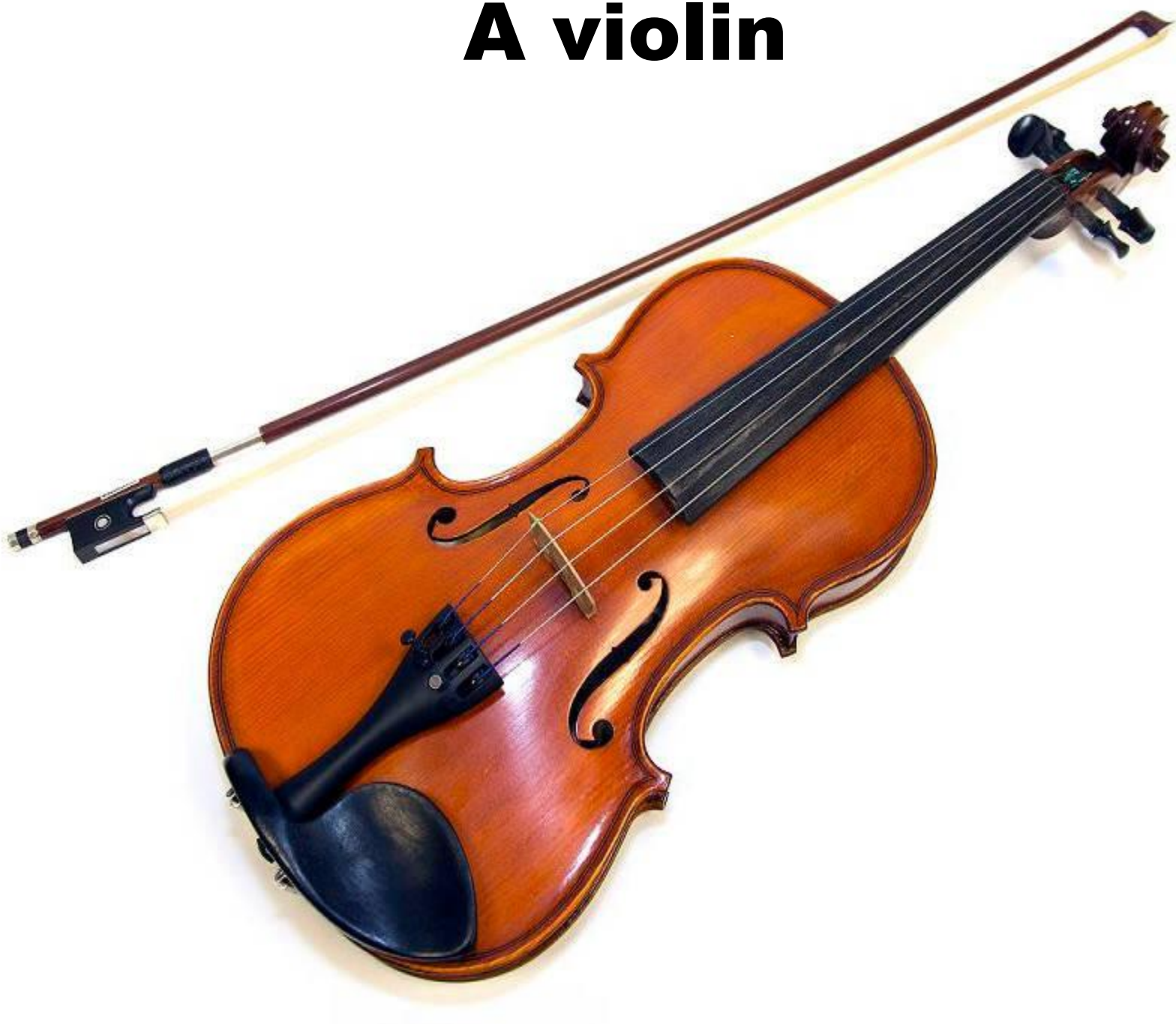
A tube fiddle



A violin



A violin



A violin

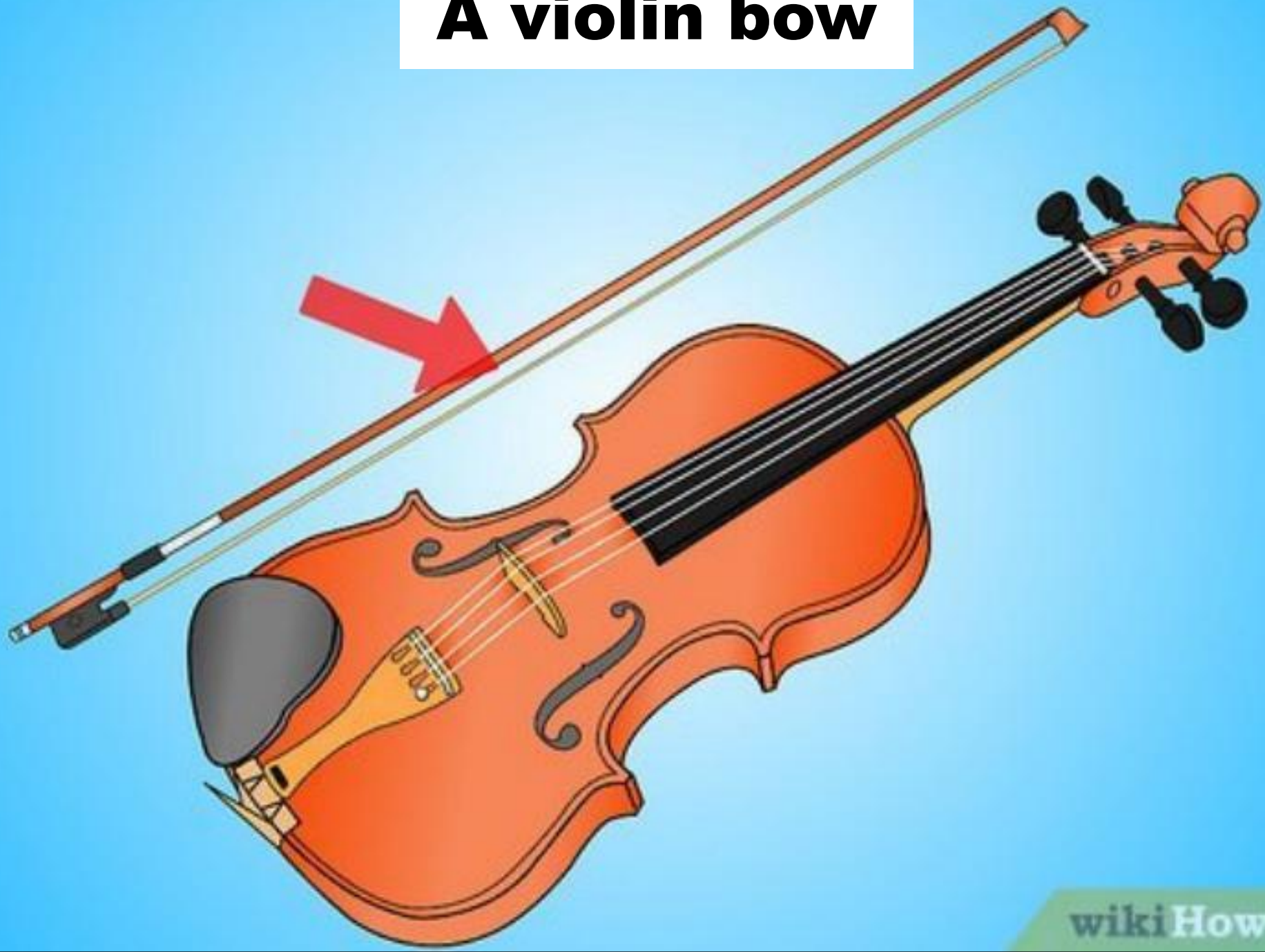


A violin



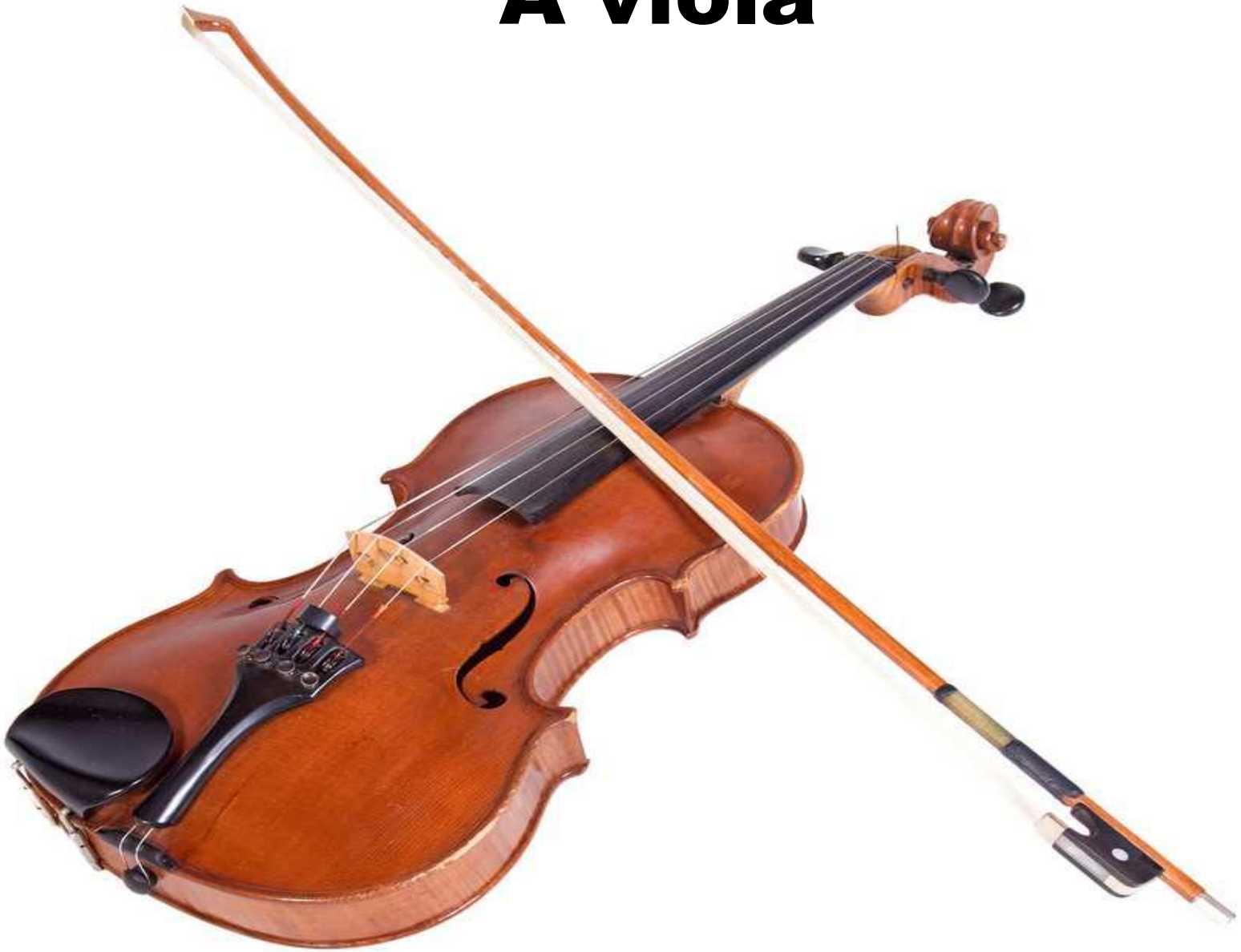
A violin produces sound by vibration of the strings when bowed

A violin bow



wikiHow

A viola



A viola



A viola produces sound by vibration of the strings when bowed

Differences between a viola and a violin

VIOLIN

VIOLA



14"

15" TO 18"

The difference between a violin and a viola lies in their size



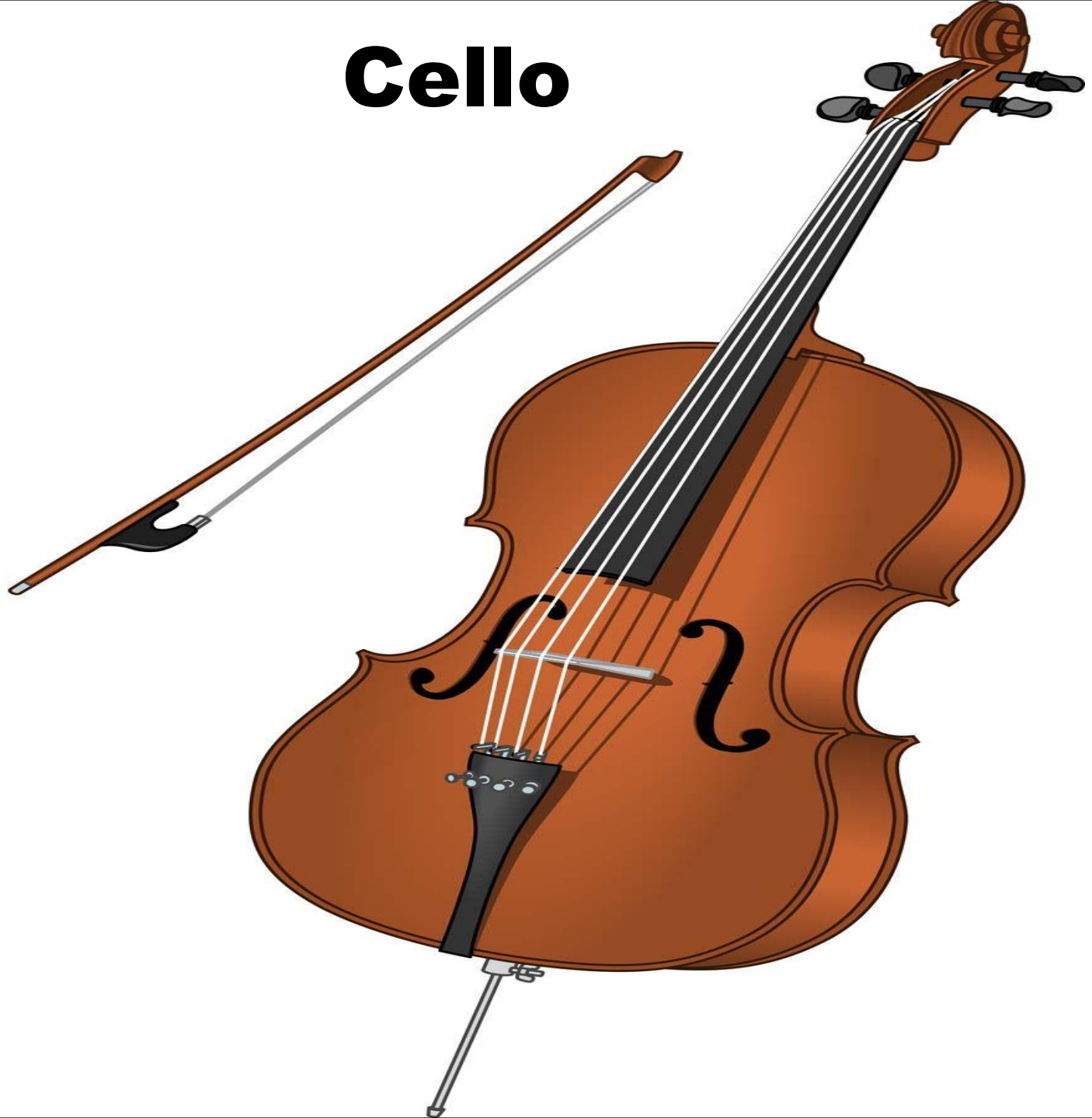
Violin



Viola



Cello



Cello



Cello





A cello produces sound by vibration of the strings when bowed


Double bass

Double bass



Double bass







A double bass produces sound by vibration of the strings when bowed

LOW DUST ROSIN

For Violin Viola Cello Double Bass





Violin



Viola



Cello



Double Bass

String Instruments



Violin

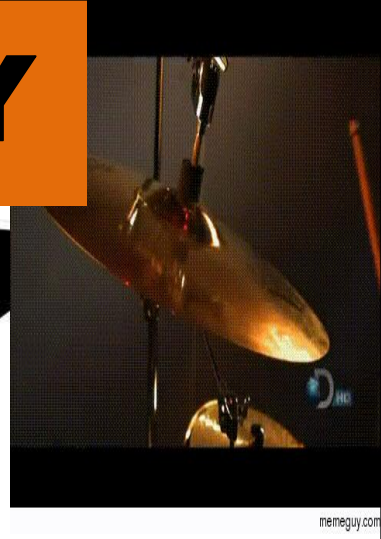
Viola

Cello

Double bass

SOUND ENERGY









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Ways of adjusting the pitch of a string instruments

- By changing the tension of the string

- By changing the length of the string

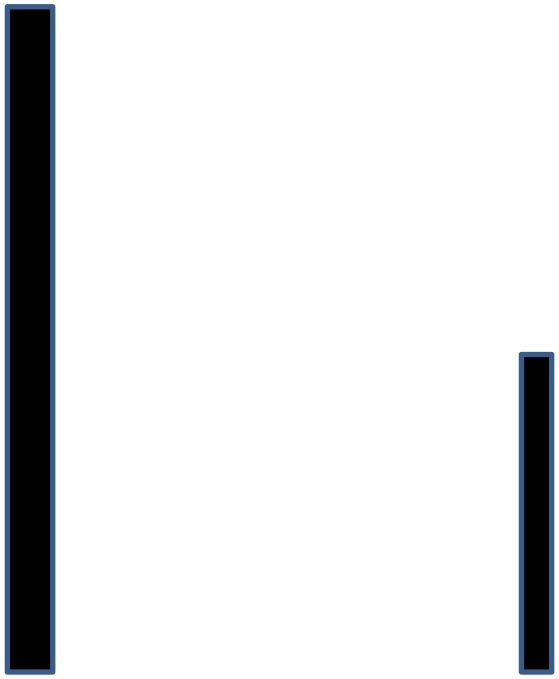
How does tension influence pitch of a stringed instrument?



A loose string produces a lower pitched sound while a tight string produces a higher pitched sound

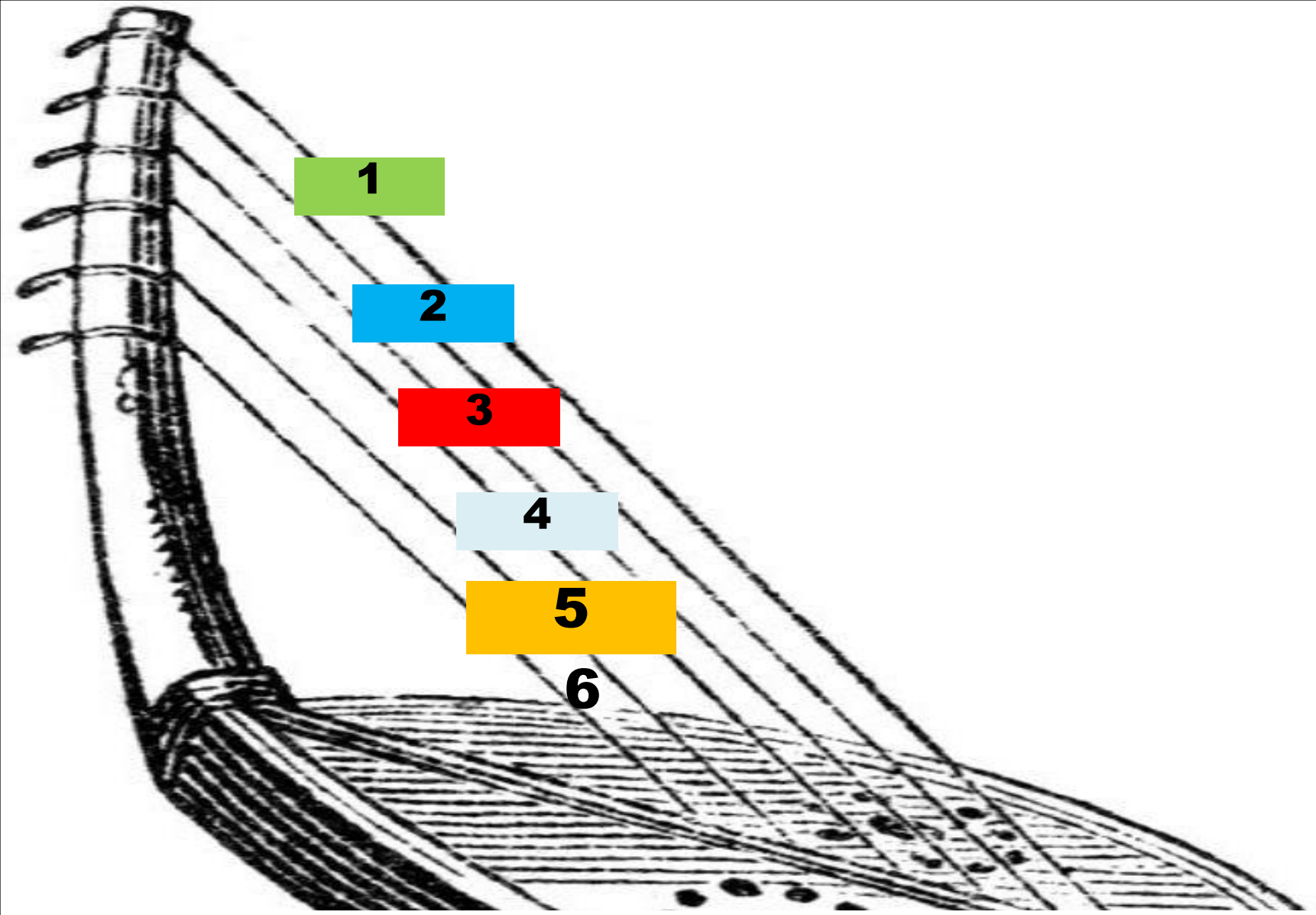
How does length influence pitch of a stringed instrument?

Lower pitch



higher pitch

A longer string produces a lower pitched sound while a shorter string produces a higher pitched sound



Which of the above strings produces the highest pitch?

Ways of increasing the pitch of a stringed instruments

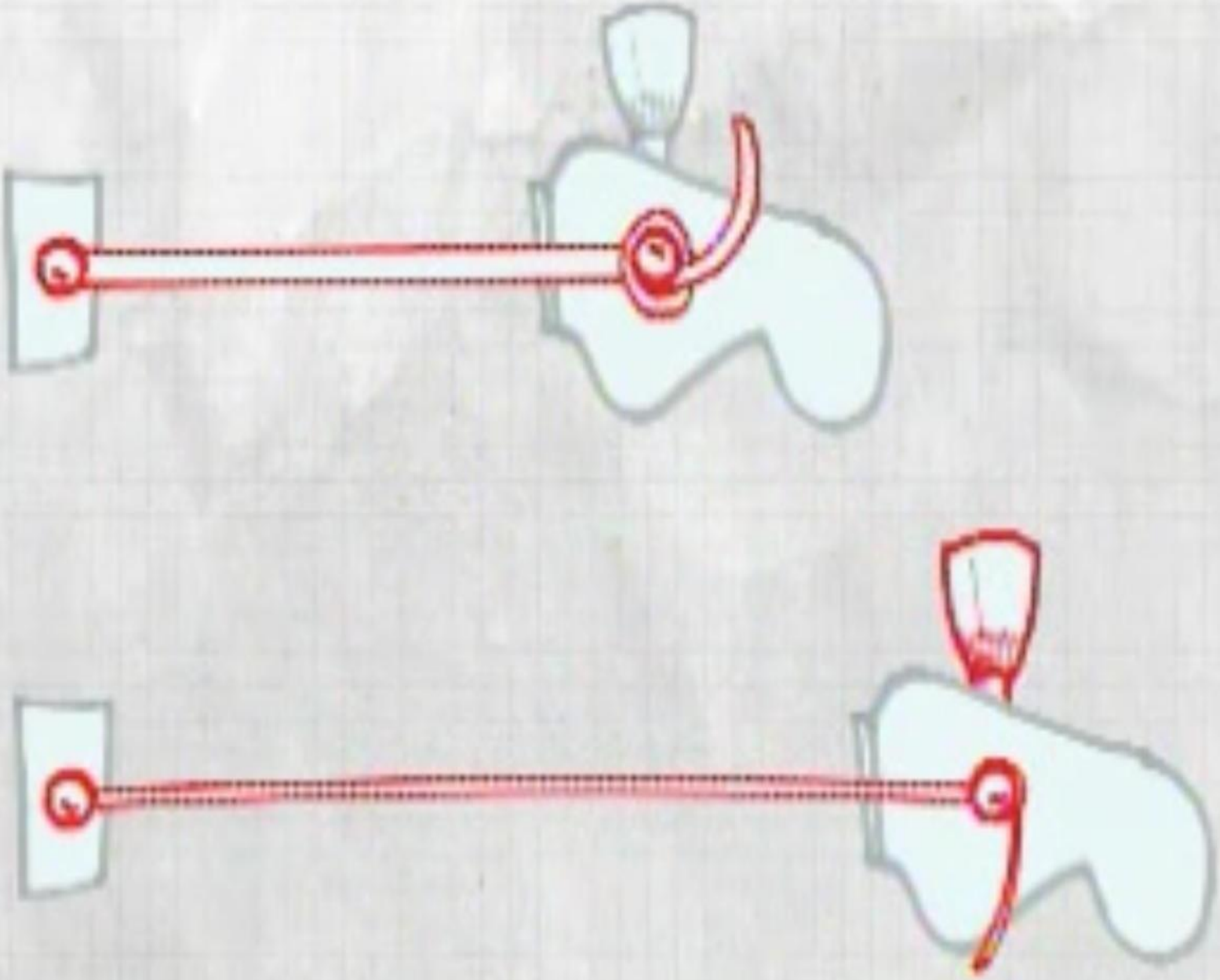
- By making the strings tighter

- By making the strings shorter

Ways of reducing the pitch of a stringed instruments

- By loosening the strings

- By making the strings longer



ACTIVITY

Name any one natural source of sound

Write down any three examples of string instrumenst

Give a functional difference between a sound box and a sound hole

Mention any one way of increasing the pitch if a tube fiddle

To which group of musical instruments does a guitar belong

Quiz





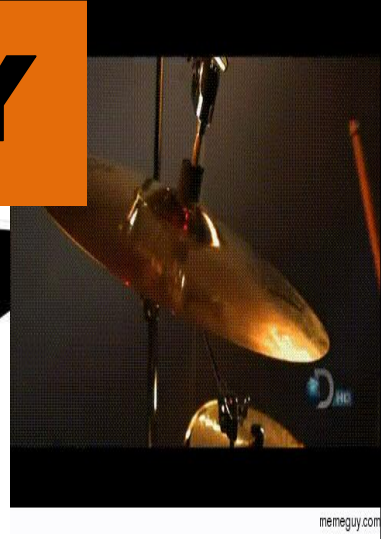
To which group of instruments does a grand piano belong?

Grand piano



SOUND ENERGY





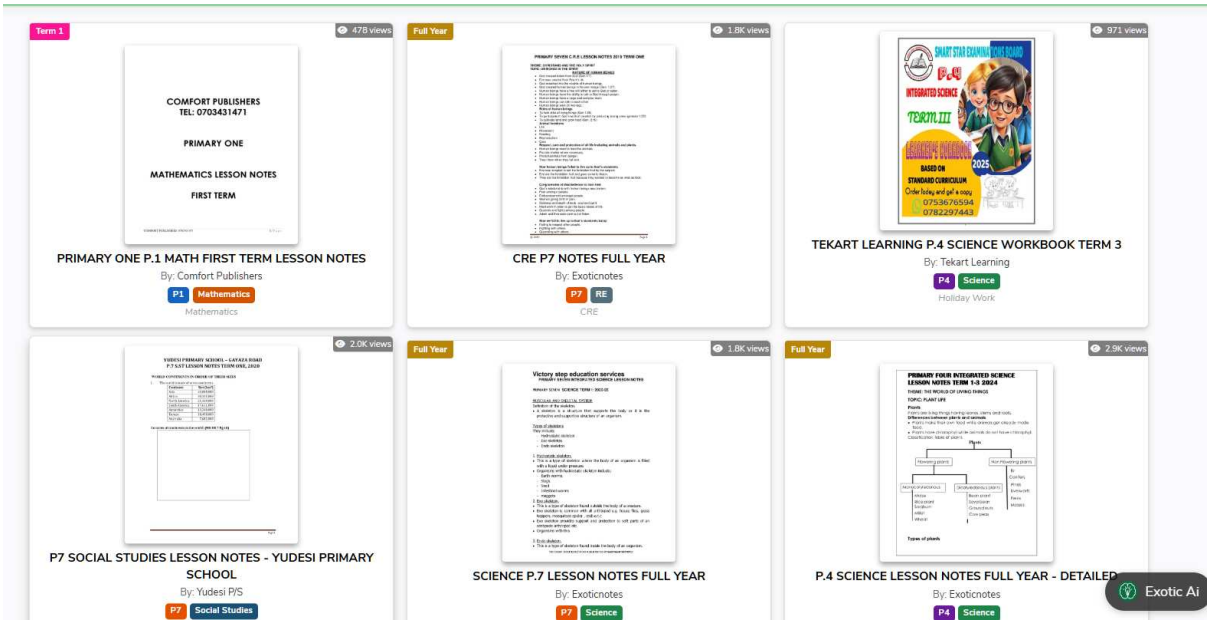




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