

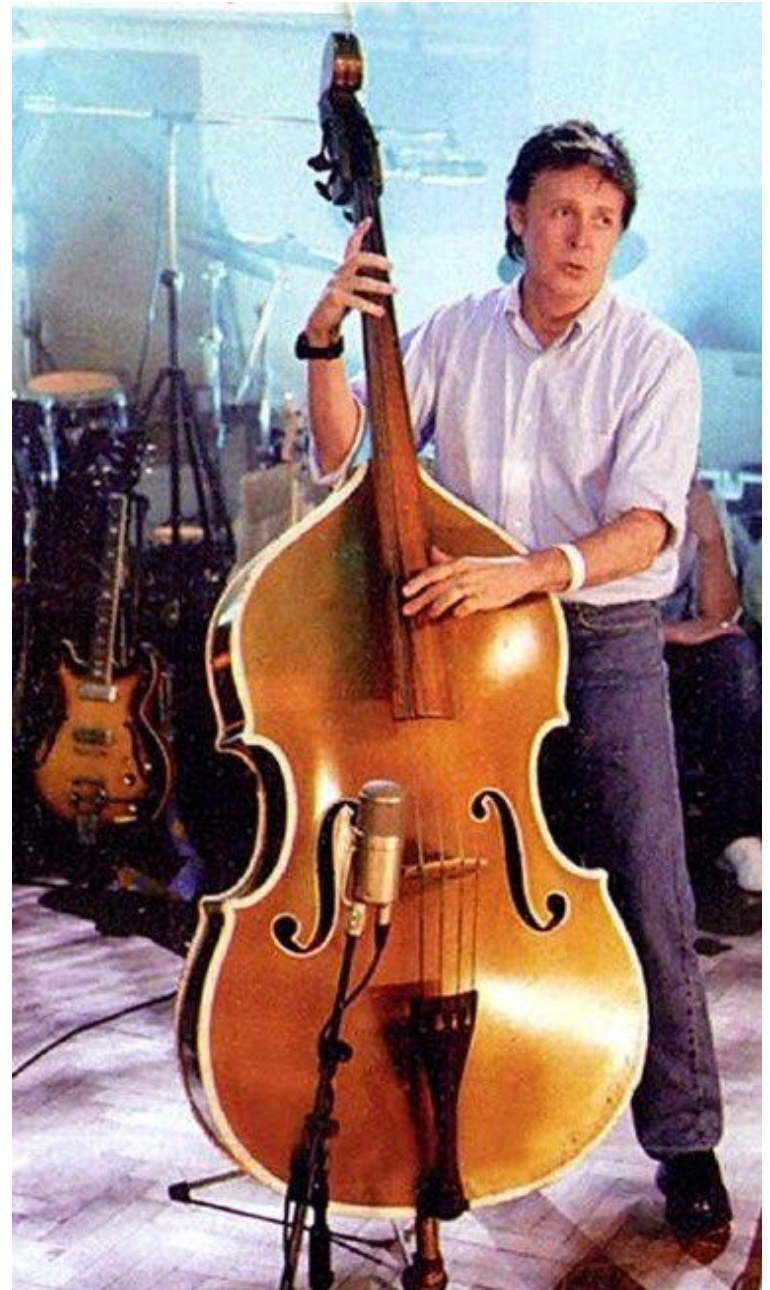
Can you identify **two**
different kinds of
mechanical waves
that are created when
someone plays a
musical instrument?



What vibrates
and where?

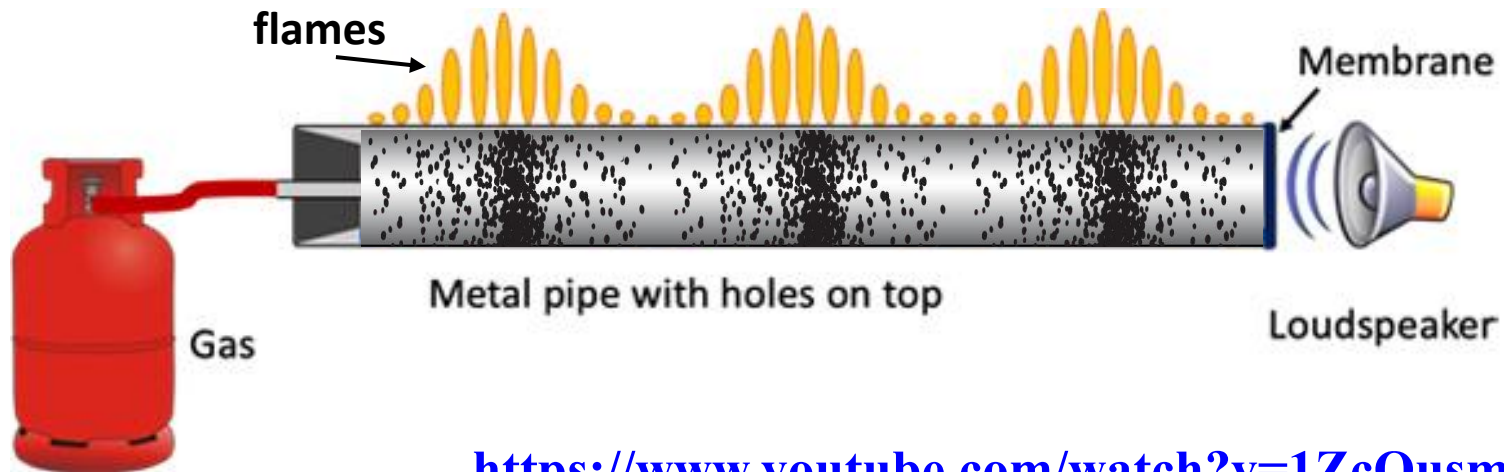
Can you identify
two different kinds
of **vibrations** that
are created when
someone plays a
string instrument?

*Now think about **not only**
what and where vibrates
but how exactly it vibrates!*



**We don't usually SEE sound,
we HEAR it...**

**...but we can *visualize* sound waves
with the help of a *Rubens' Tube*!**



<https://www.youtube.com/watch?v=1ZcOusmB4Ls>

Questions

What parameter of a sound wave is responsible for its pitch?

How is that shown in the demonstration?

What parameter of a sound wave is responsible for its volume/loudness?

How is that shown in the demonstration?