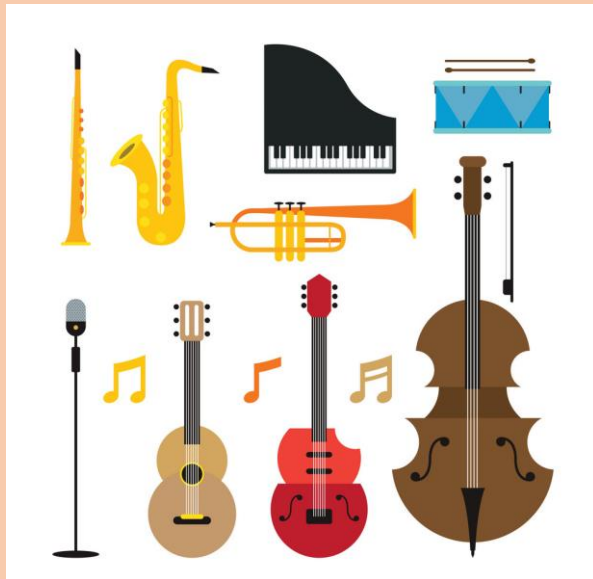


Science

Can I find patterns between the pitch of sound and features of the object that produced it?

Gather a variety of objects, or if you can, musical instruments.

- Make a quiet noise with one of the objects that you have gathered.
- Now make a louder noise with the object.
- What did you have to do differently to make a louder noise?
- Hit it harder, blow it harder, pluck it more firmly?



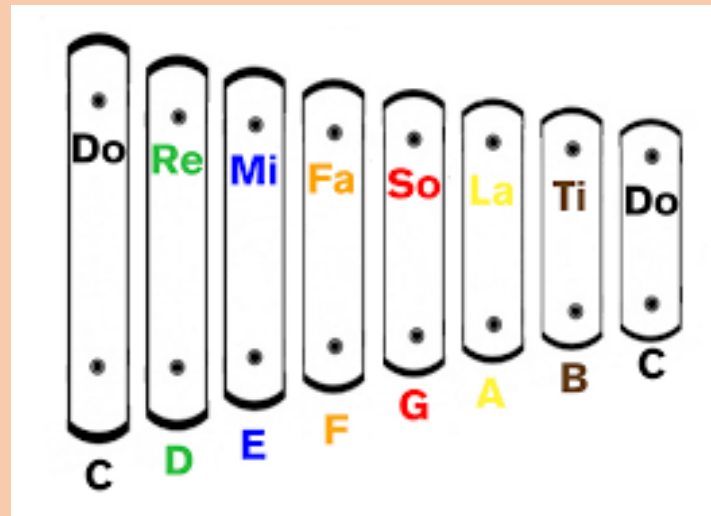
Pitch

- Sound is a form of energy and if we put more energy into making the noise then the noise will be louder.
- The size of the object vibrating will also affect the volume.
- A large drum will be louder than a small drum.



Pitch

- Have you heard of pitch before?
- The size, length and tightness of the object that is vibrating will affect the pitch of the sound it produces.
- See if you can play one note on each object/instrument.
- Can you sort them in order of pitch, from low to high?



Use this link

<https://www.bbc.co.uk/bitesize/topics/zgffr82/articles/z3j3jty>

- Watch the video then complete the quiz. Each activity is on the same link.
- The quiz is on the next slide if you are unable to follow the link.



Quiz

This is the quiz in case you were unable to follow the link.

- 1) What does the term 'pitch of a sound' mean?
- 2) Long, loose, rolling sound waves produce what type of pitch?
- 3) What type of pitch will a drum with a tight skin make?
- 4) Short and tighter waves produce what type of pitch?

Quiz

This is the quiz in case you were unable to follow the link.

- 1) What does the term 'pitch of a sound' mean?

The term 'pitch of a sound' means 'how high or low a sound is'. A high sound has a high pitch and a low sound has a low pitch.

- 2) Long, loose, rolling sound waves produce what type of pitch?

Long, loose, rolling sound waves will produce a 'low'-pitched sound.

- 3) What type of pitch will a drum with a tight skin make?

A tight skin will make a 'high'-pitched sound.

- 4) Short and tighter waves produce what type of pitch?

Short and tighter waves produce a 'high'-pitched sound.