# Simple Instruments

Name:

Date:

## Water Glass Xylophone

1. Fill your glasses with different amounts of water and keep one with no water in it.
2. Using your spoon, tap each glass lightly and take note of the sound that it makes.

Which glass makes the highest sound?

Which glass makes the lowest sound?

Which glass is the heaviest?

Which glass is the lightest?

## Shoebox Guitar

1. Cut a hole in the top of your shoebox at one end.
2. Tape a pencil to the top of the shoebox at the edge of the end where the hole is.
3. Pull the elastic bands over the guitar. See image.

Top view of shoe box with a circular hole cut closer to one end. Pencil/pen taped between hole and edge of box on the side where the hole is closer to the edge. Elastic bands stretched from end to end perpendicular to the pen and spanning over the hole.

Which elastic band makes the lowest note?

Which elastic band makes the highest note?

Which elastic band is heaviest?

Which elastic band is lightest?

If you now press down on the elastic bands at the opposite end from where the pencil is, you can change the pitch of the note the band makes. Why does this happen? Play with it!

## Bottle Organ

1. Fill the bottles with different amounts of water, leaving one of them empty.
2. To get them to produce sounds, place the opening just in front of your lower lip, and blow.

Which bottle makes the highest sound?

Which bottle makes the lowest sound?

Which bottle has the least amount of air in it?

Which bottle has the most air in it?