

Science

Music and sound investigations

Investigation 1 – homemade xylophone

You will need – 5 glasses, water, spoon.

Fill each glass with different amounts of water. Tap each glass with a spoon. Does it sound the same or different? Are the sounds higher / lower than the last? Can you play a tune?



Investigation 2 – make your own ear drum

You will need – small plastic tub, elastic band, rice, clingfilm.

Cover the top of a plastic tub with clingfilm and secure with an elastic band. Place some grains of rice on top of the clingfilm. Make some very loud noise very close to the tub. Watch your grains of rice bounce and vibrate just as your ear drum does when it hears a sound / music!



Which sound causes the biggest vibrations?

What else could you use instead of rice?