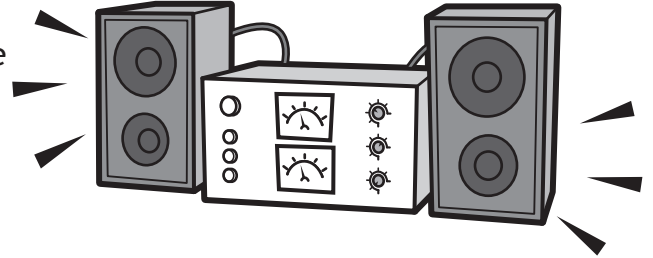


CLUCKING CUPS

Amplification is making a sound louder, it is very important when listening to sounds and music. Sometimes music can be much better at full volume. Usually we amplify sounds using electronics. Lets see if there is another way to make a sound loud!



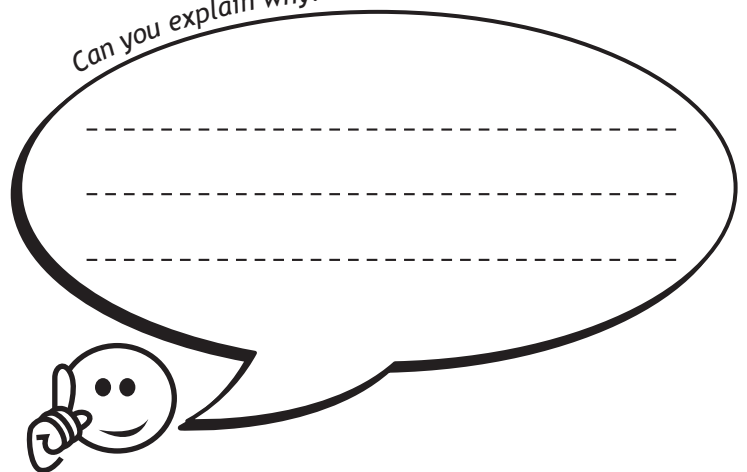
1 Listen to the musical box.

Place it on 3 different surfaces and write down any differences in the sound produced.

	Surface	Description of Sound
1		
2		
3		

Which surface gives you the loudest sound?

Can you explain why?



2 Hold a piece of string in one hand. Now pull downwards on the string with a damp cloth using the other hand.

Make a hole in the bottom of a plastic cup. Feed the string through the hole and tie a knot to keep it in place.

Pull on the string again with the damp cloth, you should notice a change in the sound you make.

Predict how the sound will change if you pull again with,

A A bucket attached -----

B A bin attached -----

Try it out to see if you are right.