

Build a Sound Wave Detector



1 Cut off the bottom of a sturdy paper or plastic cup, so that you are left with a tube that's open on both ends.



2 Pull and tear off a piece of plastic wrap that's large enough to wrap around your tube, plus some extra hanging down the sides.



3 Fasten the plastic wrap so that it is evenly taut, like you might imagine on a drum. Now wrap the rubber band around the tube to secure the plastic wrap in place.



4 Add some salt to the inside of the detector.

Now put your detector close to sounds. Look closely at the salt—what happens to it?