

Materials

- Empty mixing bowl
- Plastic wrap
- Large rubber band
- Sugar crystals

- 1** Wrap the plastic wrap over the mixing bowl. Make sure it is tightly wrapped, then secure it with a rubber band.
- 2** Place the sugar crystals in the middle of the plastic wrap.
- 3** Have your child get close to the crystals and make a loud noise, yell or roar, whatever they want! Observe what happens to the sugar crystals when the child makes a loud noise.
- 4** Experiment with the volume of your voice, or try making other noises. What happens to the sugar crystals after that?
- 5** Once you're finished with experimenting, try the same thing with different mixing bowls. Try using differently shaped bowls or bowls made of a different material. Is there a difference when you make a loud noise?
- 6** Ask your child what they think is happening. Explain that it is not their breath that is moving the sugar crystals, but **sound vibrations!** The sugar crystals are reacting to the vibrations made when you make noise.

