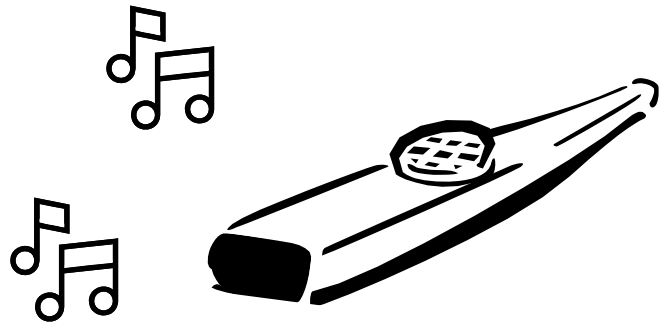
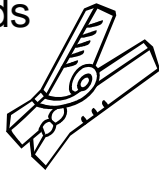


Clothespin Kazoo

What Do I Need?

- 1 clothespin
- 2 rubber bands
- Masking tape



What Do I Do?

1. Break apart the clothespin by twisting the two pieces until the spring pops. The spring will not be needed for this experiment.
2. Choose one of the pieces and wrap both of the ends with masking tape. Keep in mind that the amount and type of tape could affect the sound.
3. Wrap a rubber band lengthwise around the piece of clothespin that has the tape on the ends.
4. Place the two clothespin pieces together, with the flat ends back-to-back and put the second rubber band lengthwise around both pieces to secure them.
5. Blow through the middle portion of the kazoo!
6. Vary this experiment by trying different types of tape and various sizes of rubber bands.

What's Going On?

Sound is created when an object vibrates. These vibrations travel in waves to your ear and bounce off your ear drum. These signals then get transmitted to your brain where they can be identified.

When you blow through the kazoo, you are pushing air across the rubber bands and causing them and the air around them to vibrate. Faster vibrations create a higher pitch. As you vary this experiment, think about how different sized rubber bands could affect the pitch.

