

How can you make sounds?

Make a Prediction

Look at the paper, ruler, and rubber band. What must you do to make a sound with each object?

Test Your Prediction

⚠ **Be Careful!** Wear goggles.

① **Observe** Hold a piece of paper by one corner. Wave it around. What happens?






② **Observe** Place a ruler on a desk. Extend half of it over the edge of the desk. Hold one end of the ruler down, and tap the other end. What happens?

③ **Observe** Wrap a rubber band around a box. Pluck the rubber band. What happens?

Draw Conclusions

④ What happened when you moved the paper, ruler, and rubber band?

Materials

- goggles 
- paper 
- plastic ruler 
- rubber band 
- cardboard box 

5 **Infer** Can you make a sound with the paper, ruler, or rubber band without making it move? Explain your answer.

6 **Infer** How are sounds made?

Explore More

Experiment Test ways to change the sound you made with each object. Try to make the sounds louder or softer, higher or lower. For example, try pulling the rubber band tighter and then plucking it. Record your results and the steps you follow.

Open Inquiry

How does the length of something change the sound it makes? Think of your own question about how things make sounds. Make a plan and carry out an experiment to answer your question.

My question is: _____

How I can test it: _____

My results are: _____
