

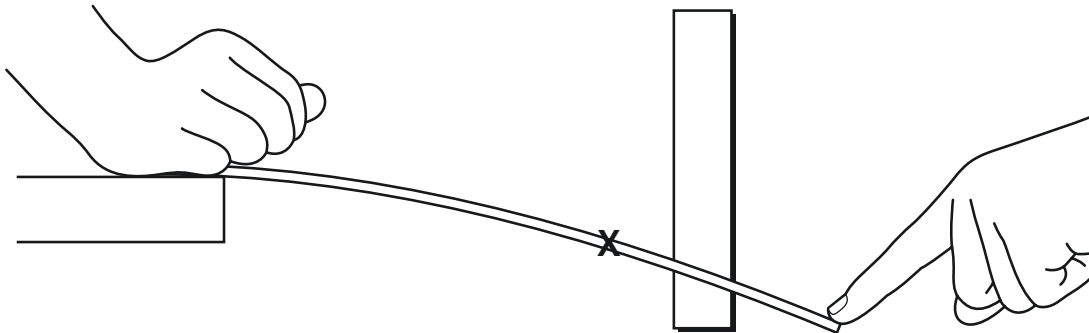


Name: Form:

See pages 14 and 15 of *Changing sounds*

Damping sounds

Sounds are made quieter by making objects vibrate less.



Q1. The diagram shows the end of a ruler held down by a finger.

What will happen to the ruler when the finger is removed?



.....

Q2. What will happen if an elastic band is held gently in place around the ruler at point X, and the finger is then removed from the end of the ruler?



.....



.....

Q3. What happens if you hold your finger firmly on a loudspeaker as it makes a sound?



.....

Q4. Why is there a change in the sound when you put your finger on the loudspeaker?



.....

Q5. Name a machine fitted with dampers that can be found in the home.



.....

Q6. (i) What instrument has felt dampers? 

(ii) What do the dampers do to the instrument?



.....