



Name: Form:

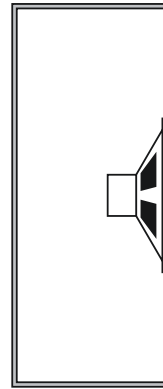
See pages 8 and 9 of *Changing sounds*

How loud is a sound?

Sounds can vary in loudness depending on how much energy is in the waves.



B



Q1. (i) Draw how the sounds spread out in front of loudspeaker A when it is working.

(ii) Draw how the sounds spread out in front of loudspeaker B when it is working.

(iii) Why is there a difference in the sound waves produced by the two loudspeakers?



Q2. (i) Name two other forms of energy besides sound energy.



(ii) What are the units used to measure sound energy?



Q3. What happens to a sound when it is amplified?



Q4. Which part of the violin is the soundbox?



Q5. (i) What is the unit used to measure the loudness of sounds?



(ii) How can very loud sounds affect people?



Q6. What should a person wear if they are operating a drill? Explain your answer.

