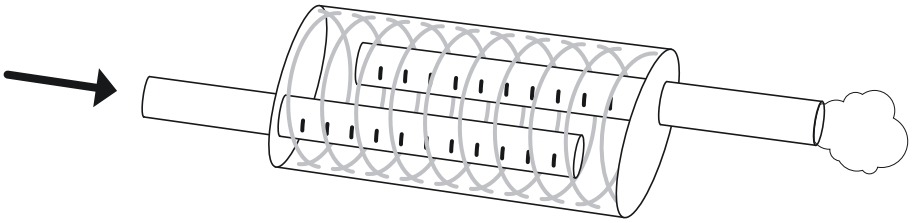
7

Name: ..... Form: .....

See **pages 16 and 17** of *Changing sounds*

# Muffling sound

**You can muffle, or reduce, sound by using soft materials with lots of air spaces.**



**Q1.** (i) What is the object shown in the diagram? ✎ .....

(ii) The arrow shows where a gas enters the object. Where has it come from?

✎ .....

(iii) What happens to sound energy inside the object?

✎ .....

**Q2.** Name a place where there is no air. ✎ .....

**Q3.** Why is double glazing soundproof?

✎ .....

✎ .....

**Q4.** (i) What are the best materials for soaking up sound?

✎ .....

(ii) What happens to sound in these materials?

✎ .....

**Q5.** Why can the loud sounds you make in your room be heard in other rooms in the home?

✎ .....

✎ .....

✎ .....

✎ .....



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