

# Modelling the Mechanism of Breathing

1. Name the part of the model that represents each of the following structures.

chest cavity \_\_\_\_\_

diaphragm \_\_\_\_\_

lungs \_\_\_\_\_

trachea \_\_\_\_\_

2. Describe what you observed when the part of the model representing the diaphragm was pulled downwards.

\_\_\_\_\_

3. Describe what you observed when the part of the model representing the diaphragm was pushed upwards.

\_\_\_\_\_

4. Explain your observations using the idea of pressure.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Suggest **two** improvements that could be made to the model.

1. \_\_\_\_\_  
\_\_\_\_\_

2. \_\_\_\_\_  
\_\_\_\_\_