

Name _____ Class _____ Date _____

1 Draw lines from the labels to the correct part of the diagram.

trachea

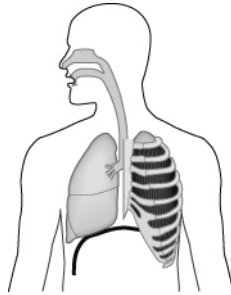
bronchus

diaphragm

lung

rib

muscle between rib



2 Draw lines to match the words with their meanings.

breathing

air moving into and out of the lungs

ventilation

a chemical process that happens in cells

respiration

oxygen and carbon dioxide diffusing in the lungs

alveolus

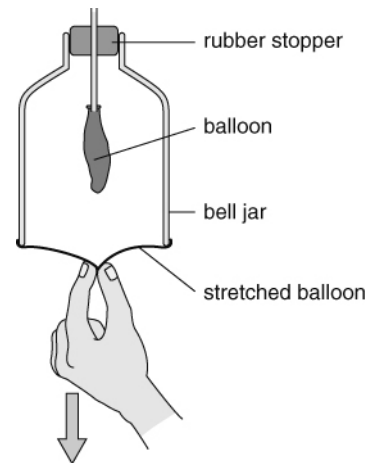
using muscles to expand and deflate the lungs

gas exchange

a small pocket in the lungs

3 The drawing shows a model used to explain how the lungs expand and fill with air. Number the phrases to put them in the correct order.

- ... air enters the balloon, and so ...
- ... the pressure in the jar is ...
- ... less than atmospheric pressure, and so ...
- ... the balloon inflates.
- ... the stretched balloon is pulled downwards, and so ...
- The air in the jar is at the same pressure as atmospheric pressure. Then ...



4 Why can particles diffuse?

5 Why do lungs have a large surface area?

I can...

- recall the functions of the organs in the gas exchange system
- explain how the structure of the lungs allows efficient gas exchange.