

8Ba(1) Energy for life

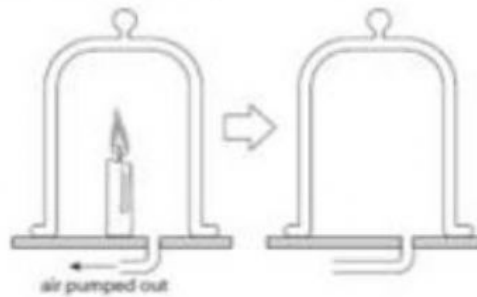
1 The drawing shows one of Robert Boyle's experiments on respiration.

a Draw in the candle in the right-hand jar.

b Which is the best conclusion that can be made from the experiment?

Tick the correct box.

- ☐ Air can be pumped out of bell jars.
☐ Candles need air to burn.
☐ Air is not needed for a candle to burn.
☐ Candles are made out of wax – a substance that burns.



c A snail is placed in a bell jar and the air is removed.

What do you predict will happen? Tick the correct box.

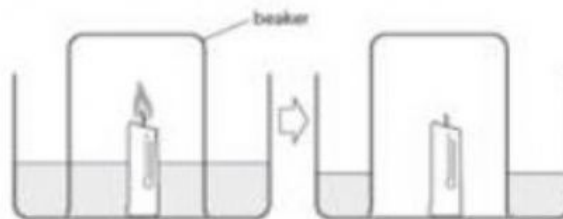
- ☐ The snail will live. ☐ The snail will burn.
☐ The snail will die. ☐ The snail will explode.

2 The drawing shows one of John Mayow's experiments on respiration.

a Draw in the level of the water in the second beaker.

b What was Mayow's conclusion from this experiment? Tick the correct box.

- ☐ Candle wax melts.
☐ Burning needs all the different parts of the air.
☐ Water puts out candle flames.
☐ Burning only uses up a part of the air.



3 a Complete this table to show what is used up (the reactants) and what is made (the products) during aerobic respiration.

Reactants	Products

b What is released during respiration? _____