

1 The diagram shows a model of the small intestine.

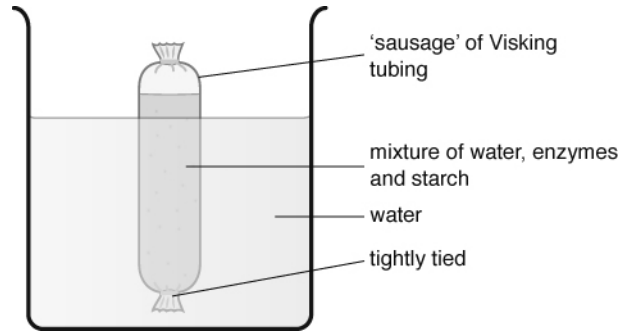
a In the model, what does the inside of the Visking tubing represent?

\_\_\_\_\_

b What does the water outside the tubing represent?

\_\_\_\_\_

c Tick (✓) the boxes in the table below to show what substances will be found inside and outside the tubing at different times.



Substance	inside tubing at the start	inside tubing after 30 mins	outside tubing at start	outside tubing after 30 mins
enzymes				
starch				
sugars				
water				

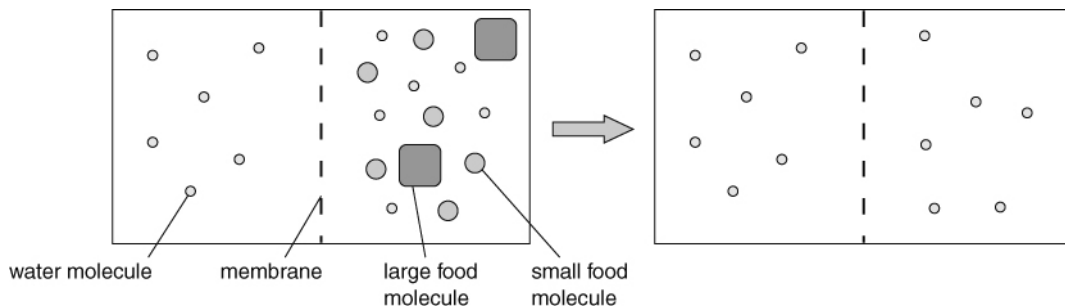
2 How is the small intestine adapted to its function? Tick (✓) *two*.

- absorbs food       small surface area       large surface area  
 contains cells       wall is only one-cell thick       very short and narrow  
 hard and rigid

3 In what part of the blood is digested food transported? Tick (✓) *one*.

- red blood cells       digestive juice       plasma       platelets       white blood cells

4 The diagram shows different molecules either side of a membrane. Complete the right-hand drawing to show where the molecules will be after an hour.



**I can...**

- explain how diffusion allows the absorption of soluble nutrients by the small intestine
- explain how the small intestine is adapted to its function.