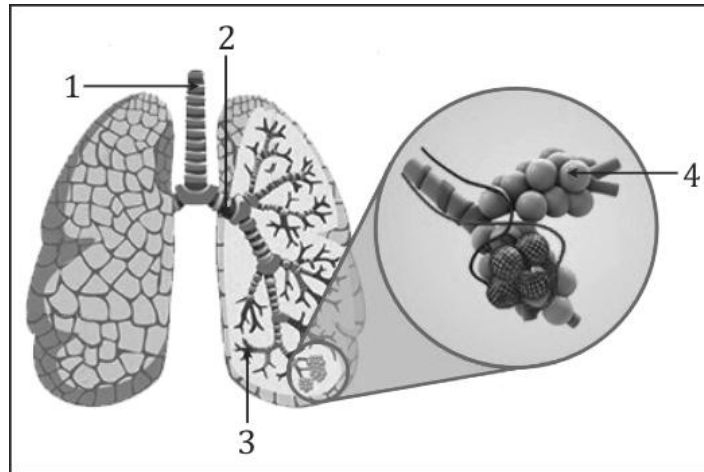


(b) Study the given figure and answer the following questions:



- (i) Label parts 1, 2, 3 and 4.
 - (ii) What is the function of part 4?
 - (iii) How are the lungs able to expand and contract without any damage to their walls?
- [5]

Question 7

(a)

- (i) Write any four points explaining the significance of studying biology.
 - (ii) How is yogurt prepared?
- [5]

(b) The table below shows the differences between inhaled air and exhaled air:

Components	% Composition of air	
	Inhaled air	Exhaled air
Oxygen	20.7	14.0
Carbon dioxide	0.04	4.0
Water vapour	1.25	3.99
Nitrogen	78.0	78.0

Answer the following questions with respect to exhaled air:

- (i) Why has its oxygen content decreased?
 - (ii) Where has the extra carbon dioxide been produced from?
 - (iii) Where has the extra water vapour come from?
 - (iv) Why is there no change in the percentage of nitrogen?
 - (v) What role does the diaphragm play in breathing?
- [5]