

Dalkeith High School
N5 Biology
The need for Transport (Task 3)

1. a) Describe the movement of oxygen in the lungs.

2

b) Describe one feature of the alveoli and explain how it allows efficient gas exchange.

Feature _____

1

Explanation _____

1

c) Decide if each of the following statements about the role of cilia and mucus is **True** or **False**, and tick (✓) the appropriate box. If the statement is **False** write the correct word in the **Correction box** to replace the word underlined in the statement.

| Statement | True | False | Correction |
|--|------|-------|------------|
| Mucus is a sticky substance which traps dirt and <u>microorganisms</u> . | | | |
| Cilia beat <u>downwards</u> to remove the mucus from the lungs. | | | |

2

2. The villi which line the small intestine each contain a lacteal and blood capillaries.

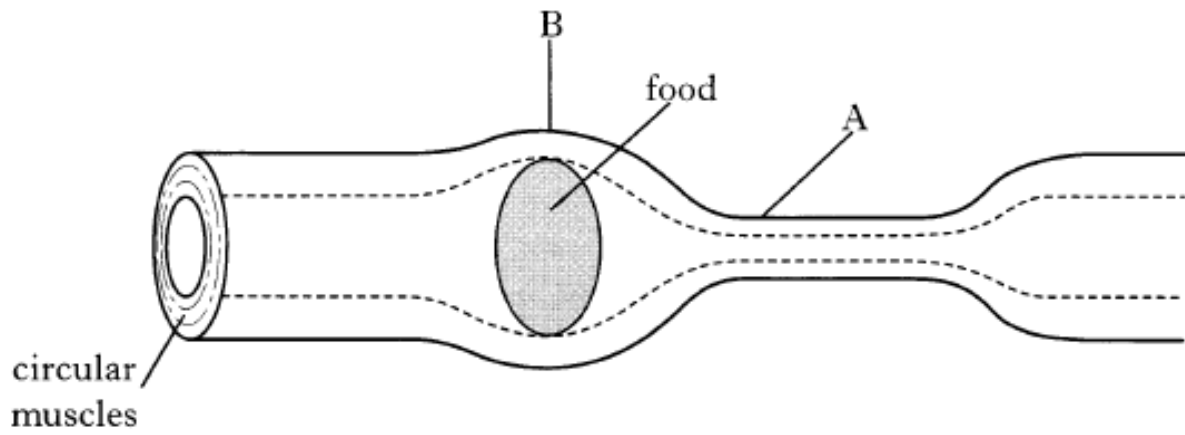
Give a brief description of the function of each of these structures.

Lacteal _____

Blood capillaries _____

2

3. Food is moved along the alimentary canal by the action of circular muscles.



a) What name is given to this movement of food?

1

b) Describe the state of the muscles at positions A and B in the diagram

A _____

B _____

1