

## Body Systems Hw'rk Wk 3

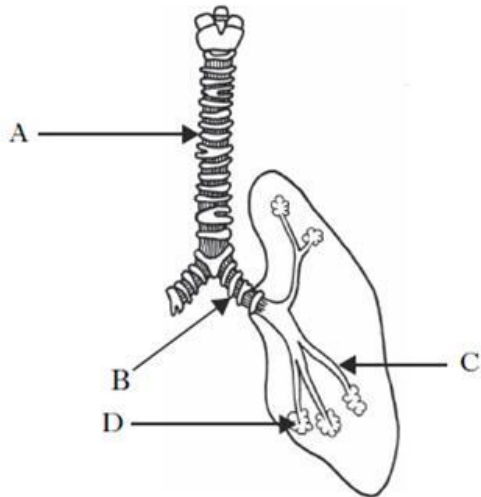
In your jotter write the DATE in the margin.

Now add a TITLE for your homework.

Your title should be the name of the Homework: Body Systems Homework Week 3

### Question 1.

The diagram below shows part of the human breathing system. At which letter does gas exchange take place?



### Question 2.

The list below refers to breathing.

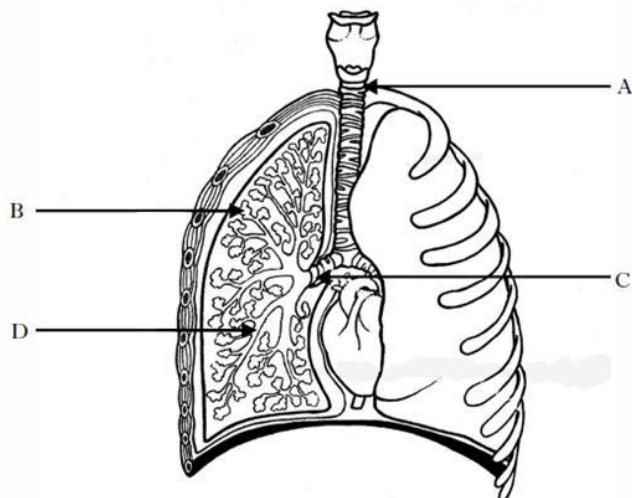
- 1.... Breathing rate increases and depth of breathing decreases.
- 2.... Breathing rate increases and depth of breathing increases.
- 3.... Rate of gas exchange increases.

Which of the following correctly describes what happens during exercise?

- A 1 only
- B 2 only
- C 1 and 3 only
- D 2 and 3 only

### Question 3.

The diagram below shows part of the breathing system.



Which structure is a bronchiole?

**Question 4.**

The information in the table refers to some students who took part in an investigation of peak flow.

<i>Student 1</i> Fit male Age 15 Mass 60 kg	<i>Student 2</i> Fit male Age 15 Mass 65 kg	<i>Student 3</i> Fit male Age 30 Mass 60 kg
<i>Student 4</i> Fit female Age 30 Mass 60 kg	<i>Student 5</i> Fit female Age 15 Mass 50 kg	<i>Student 6</i> Unfit female Age 30 Mass 50 kg

Which factor would be investigated if students 3 and 4 were compared?

- A Age
- B Body mass
- C Gender
- D Fitness

**Question 5.**

In your jotter match the name of the measurement to its correct description.

<b>Breathing rate</b>	<b>Maximum rate at which air can be breathed out.</b>
<b>Tidal Volume</b>	<b>The number of breaths taken per minute.</b>
<b>Vital capacity</b>	<b>The volume of air in a normal breath</b>
<b>Peak flow</b>	<b>The maximum volume of air that can be breathed out in one breath.</b>

**Question 6.**

The table below shows the responses of a group of Scottish fifteen year olds when asked about their smoking habits.

	<i>Responses</i>			
	<i>Never smoked</i>	<i>Tried smoking</i>	<i>Occasional smoker</i>	<i>Regular smoker</i>
<i>Percentage of fifteen year olds</i>	12.5	50	12.5	25

Which slice of the pie chart represents the percentage of fifteen year olds who are regular smokers?

