**Mechanics of the respiratory system**

Complete the labels of the diagram


Test yourself: fill in the blanks:

|  |  |  |
| --- | --- | --- |
|  | Name | Which ones did I know |
| 1 | Nose |  |
|  |  |  |
| 2 |  |  |
|  |  |  |
| 3 |  |  |
|  |  |  |
| 4 |  |  |
|  |  |  |
| 5 |  |  |
|  |  |  |
| 6 |  |  |
|  |  |  |
| 7 |  |  |
|  |  |  |
| 8 |  |  |
|  |  |  |
| 9 |  |  |
|  |  |  |
| 10 |  |  |
|  |  |  |
| 11 |  |  |

Is breathing active or passive?

…………………………………………………………

Can you explain why?

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

An easy way to remember the mechanics of the respiratory system. 5 easy steps.



* Muscles,
* Movement
* Thoracic cavity volume
* Lung volume to
* Inspiration or expiration

Follow the steps through and identify the process as well as the activity occurring.

|  |  |
| --- | --- |
| Inspiration | Expiration |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

In answer to the question is respiration active or passive I can state that……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

|  |  |
| --- | --- |
| Inspiration | Expiration |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Mechanics of respiration after exercise.

Exam Question

With reference to the mechanics of breathing describe how the cyclist is able to **inspire** great amounts of oxygen during the training ride. [4]

Bullet point

* .
* .
* .
* .

Describe how the mechanics of breathing alter during exercise to **expire** greater volumes of carbon dioxide. [4]

Paragraph format