GCSE PE Homework Booklet – Term 2

<u>Task 1:</u>

Learn the keywords on this term's knowledge organiser. These will feature in this term's knowledge recall starter activities. You could read through the words, write them out, create a match up activity or get someone to test you.

Task 2: (to be completed at the end of a topic - your teacher will inform you of the date.)

Complete the practise exam questions on page one of this term's knowledge organiser.

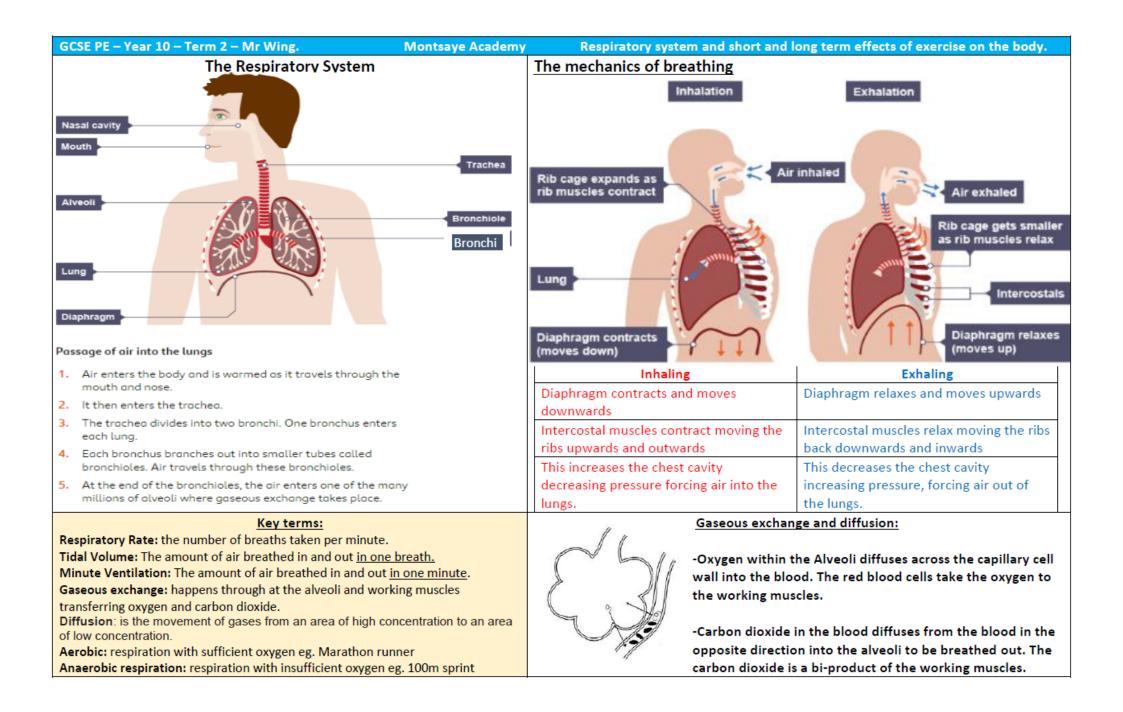
<u>Task 3</u>

Update your practical performance activity log.









| Short term effects of exercise | Long term effects of exercise |
|---|---|
| Cardiovascular system | Cardiovascular system |
| Increased heart rate | Cardiac hypertrophy |
| Increased stroke volume | Lower resting heart rate |
| Increased cardiac output | Increased stroke volume and cardiac output (during exercise) |
| Redistribution of blood (vascular shunt) | Capillirsation. |
| Respiratory system | Respiratory system |
| Increased respiratory rate | Increased strength of respiratory muscles (intercostal and diaphragm) |
| Increased tidal volume | Increased tidal volume (during exercise) |
| Increased minute ventilation | Increased minute ventilation (during exercise) |
| Muscular system | Muscular system |
| Increased muscle temperature | Muscular hypertrophy |
| Increased oxygen supply to working muscles | Increased muscular strength |
| Increased lactic acid production (anaerobic) | Increased muscular endurance increased resistance to fatigue |
| Possible exam questions: | |
| Top tip. There are lots of possible questions on paper 1 around the cardiov | ascular, respiratory and |
| muscular system linked o the short and long term effects of exercise. By lea | arning the key terms and Respiratory System |
| diagrams you will be able to achieve the best marks. | |
| Correctly label a diagram of the lungs (1 mark) | 1 5. |
| Describe the passage of air through the respiratory system (1 mark) | |
| Using a practical example explain diffusion? (2 marks) | |
| Define respiratory rate, minute ventilation and tidal volume (3 marks) | |
| Describe the short term effects of exercise on the cardiovascular system (3 marks) | |
| Describe the short term effects of exercise on the muscular system (3 marks) | |
| Describe the short term effects of exercise on the respiratory system (4 marks) Describe the short term effects of exercise on the body of a football player as he begins his game (5 marks) | |
| | |
| Describe the long term effects of exercise on the muscular system (3 marks) | 8, |
| Describe the long term effects of exercise on the respiratory system (3 mark | |
| Describe the long term effects of exercise on the cardiovascular system (3 m | |
| Describe the long term effects of a strength programme for a rugby player (What is capilirisation? (1 mark) | 5 fildrks) |
| Describe the role of the respiratory muscles for a basketball player when pla | aying in a game. (4 marks) Correctly label a diagram above (1 mark) |
| beschue the role of the respiratory muscles for a basketball player when pla | iving in a game. (4 marks) Correctly laber a diagram above (1 mark) |