

Name: \_\_\_\_\_

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# 1.2 The Cardiovascular System

# 1.3 The Respiratory System

Date:

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**Time:** 40 minutes

**Total marks available:** 35

**Total marks achieved:** \_\_\_\_\_

**Percentage:** \_\_\_\_\_

1. Which one of the following describes residual volume? **(1 mark)**

- A) The volume of air that can be forcibly expired following a normal breath
- B) The volume of air that can be forcibly inspired following a normal breath
- C) The volume of air that remains in the lungs after maximum expiration
- D) The volume of air breathed in or out per breath

2. Which of the following shows the correct order that is followed by the conduction system of the heart?  
**(1 mark)**

- A) Purkinje Fibres, Bundle of HIS, SA Node, AV Node
- B) AV Node, SA Node, Bundle of HIS, Purkinje Fibres
- C) AV Node, SA Node, Purkinje Fibres, Bundle of HIS
- D) SA Node, AV Node, Bundle of HIS, Purkinje Fibres

3. **Starling's Law** outlines that during exercise there will be an increase in stroke volume? Explain the factors leading to this increase in stroke volume? **(3 marks)**

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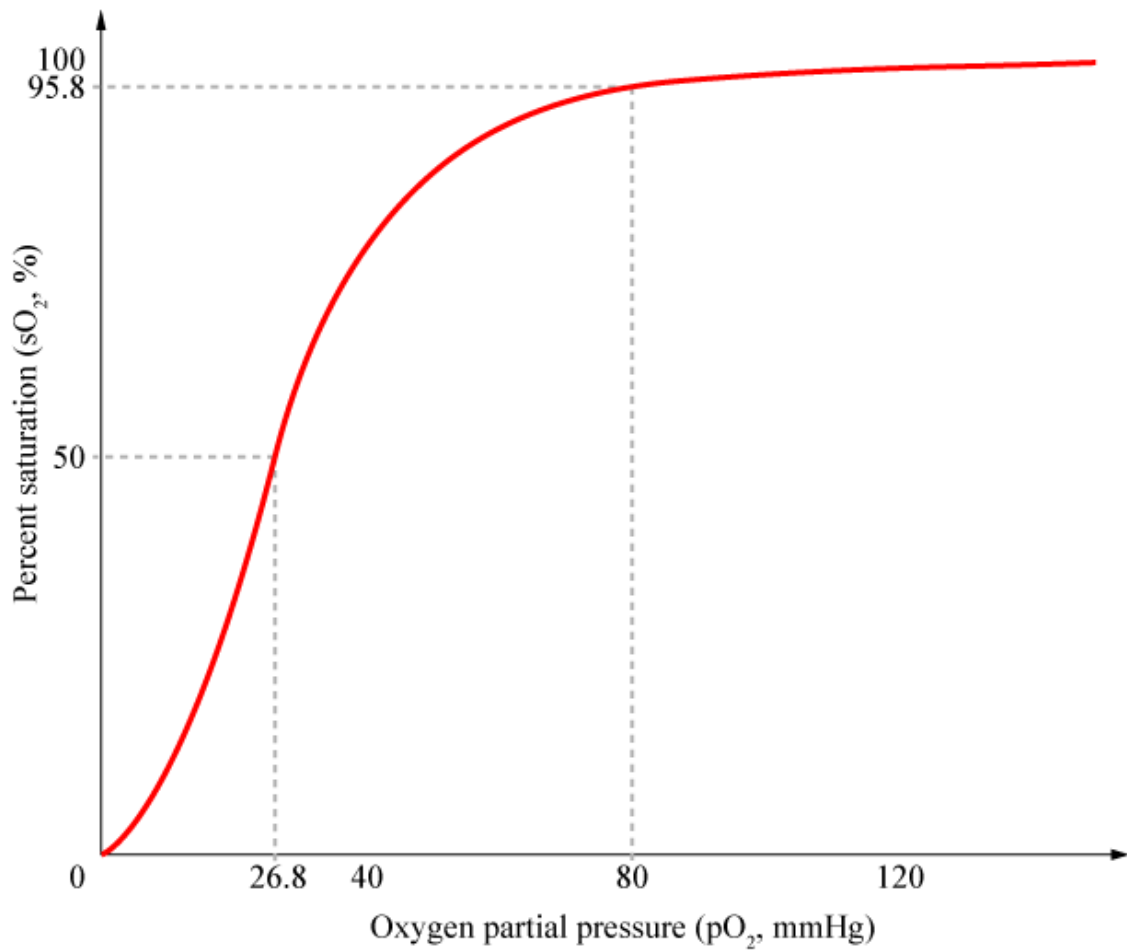
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6. The graph outlined above shows the dissociation curve. Explain what the dissociation curve is and discuss the changes that occur to this curve during exercise. **(8 marks)**

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