**Task 11:Comparing Methods of Gas Exchange**

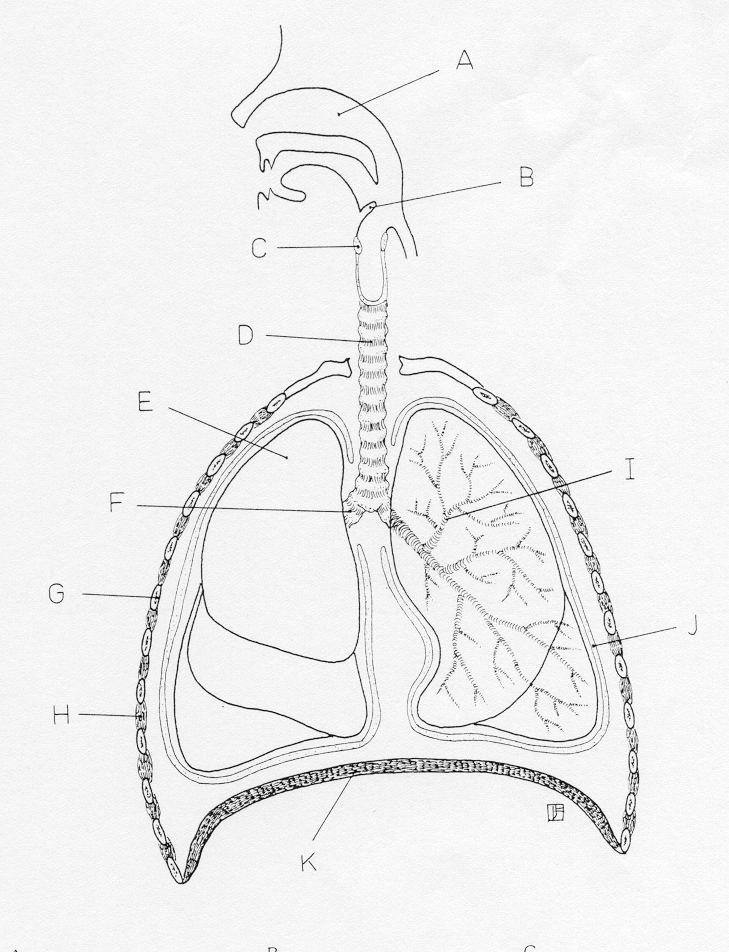
**Science Inquiry Total Marks: 30**

**Conditions: In class validation. Students may use their hand written practical report.**

**Time for Task: 30 minutes**

**Weighting: 4%**

**1 Label the following diagram (5 marks)**



**A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ F\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

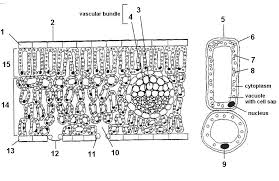
**I\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ K\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**G\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Describe the structure of the trachea. What feature of the trachea prevent it from collapsing? (2 marks)**

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**3 Label the following diagram (5 marks)**

**11\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**12\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**10\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**14\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**15\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Through what structure does gas exchange occur in a plant?**

**(1 mark)**

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1. **Explain how an oxgen molecule from outside a leaf would become present in cells type 14. (5 marks)**

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1. **Explain why a fish out of water dies from lack of oxygen, even though the concentration of oxygen in air is more than four times that of water?**

**(4 marks)**

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**List the features of an efficient respiratory surface. Explain the importance of each feature. (8marks)**

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