**Name………………………………………..…………………………………….…… Adm.No. ………..……….… Class …….……….**

**KAHUHO UHURU HIGH SCHOOL**

**231 BIOLOGY**

**Form 4 Revision Series**

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**Gaseous exchange quiz**

**40 min**

**Questions**

1. State three factors that affect the rates of breathing (3 marks)

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1. What are the causes of the following diseases (3marks)
2. Tuberculosis

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1. Lung cancer

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1. Pneumonia

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1. State three control/Treatment of each of the above diseases (3marks)

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1. Name two Forms of cancer (2 marks)

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1. Explain the importance of a counter current flow system in gaseous exchange in fish (3 marks)

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1. What would be the easiest way of preventing the spread of the disease from one person to the other or from country to country? (1 mark)

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1. Identify one disease whose vaccination is the use of BCG (Bacille Calmette Guerin) (1 mark)

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1. How does smoking cause lung cancer (2 marks)

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1. Suggest how too much dust particles affect respiratory system (2 marks)

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1. The diagram below represents a part of the rib cage.

a) Name the parts labeled W, Y and Z. (3marks)

 W ……………………………………………………

 Y …………………………………………………….

 Z ……………………………………………………..

b) How does the part labeled Z facilitates breathing in? (3marks)

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10. What characteristics do mammalian lungs and the gills of a bony fish have in common that enables them to exchange gases effectively (4 marks)

1. List three structures used for gaseous exchange in land plants (3marks)

1. Explain why a fish has to pass large amounts of water continuously over its gills during gaseous exchange (2 marks)

1. **State two** ways in which the tracheole system is adapted to its function. (2 marks)

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1. Explain the photosynthentic theory of opening of the stomata (3 marks)

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1. Describe Inhalation and exhalation in human beings (10marks)

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