

NAME	INDEX
SCHOOL	DATE

FACTORS INFLUENCING AGRICULTURE

1. **1995**
List four environmental factors that affect crop distribution in Kenya.
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2. **1996**
State two ways by which wind affects the growth of crops.
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3. **1997**
 - a) State two ways by which wind affects the growth of crops.
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 - b) Give two roles of micro-organisms in the soil that are beneficial to crops
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 - c) State three properties of soil that are influenced by its texture.
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4. **1999**
List down the four aspects of rainfall that affect agriculture.
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5. **1999**
Describe the environmental conditions that may lead to low crop yields.

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6. 2000

Outline three effects of soil organisms which benefit crop growth.

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7. 2001

State two causes of hard pan in a crop yield.

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8. 2002

a) Name two processes of rock weathering.

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b) Differentiate between soil texture and soil structure.

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c) State three benefits of good soil structure in crop production.

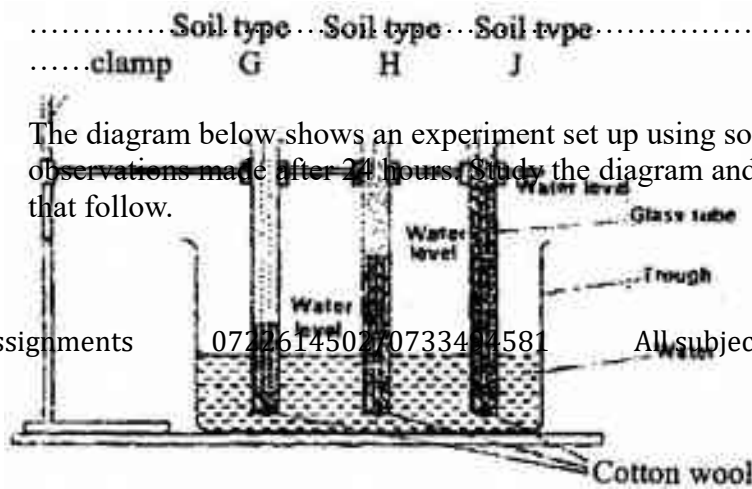
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9. 2003

a) List two aspects of light that influence crop growth.

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b) The diagram below shows an experiment set up using soil types G, H and J and observations made after 24 hours. Study the diagram and answer the questions that follow.



- i) What is the experiment represented above designed to study?
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- ii) Name the three soil types & H and J.
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- iii) What is the characteristic texture of soil types G and J?
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- iv) State how a farmer would improve the structure of soil type G.
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10. 2004

- a) Give 3 reasons why soil is important to crops.
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- b) State two benefits of optimum soil temperature in crop production.
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- c) Give 3 factors of soil that influence soil productivity.
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11. 2004

Give three reasons why soil is important to crops.

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12. 2004

a) Give four reasons why a well drained soil is suitable for crop production.

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b) State two benefits of optimum soil temperature in crop production.

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c) Give three soil factors that influence soil productivity.

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13. 2005

State three advantages of adding organic matter to sandy soil.

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14. 2005

a) State two roles of good soil aeration in crop growth.

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b) Give two roles of micro-organisms in the soil that are beneficial to crops.

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c) State three properties of soil that are influenced by its texture.

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15. **2006 Q2 P1**
State three ways by which biological agents can enhance the process of soil formation (1 ½ marks)
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16. **2007 Q2, 3 P1**
2. List **three** physical weathering agents in the soil formation process (1½marks)
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3. State **two** mechanical methods of separating soil particles according to size during soil analysis (1marks)
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17. **2008 Q2 P1**
State two effects of HIV/AIDS on agricultural production (1marks)
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18. **2008 Q4 P1**
Distinguish between soil structure and soil texture (1mark)
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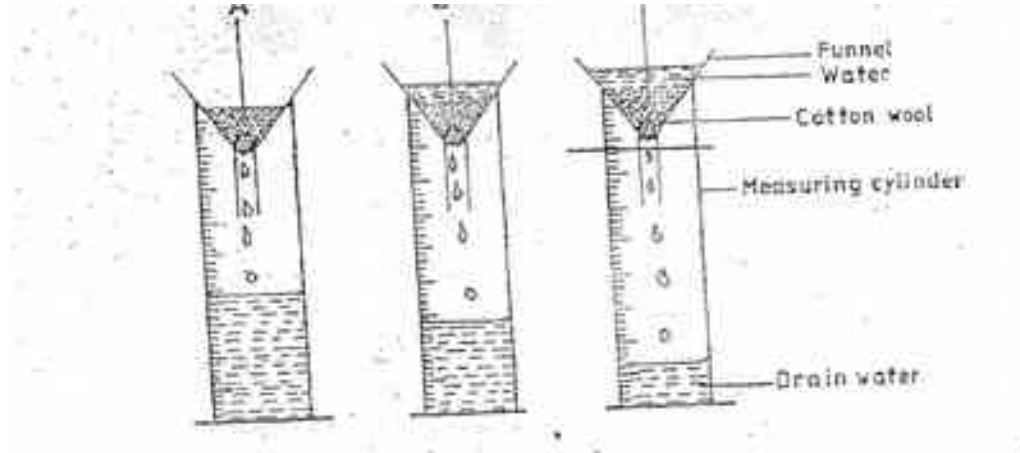
19. **2009 Q12 P1**
Give two roles of soil micro- organism those are beneficial to crops. (1 mark)
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20. **2009 Q15 P1**
State two harmful effects of strong wind on crop production. (1 mark)
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21. **2009 Q20 P1**
Name four natural factors that may influence soil erosion (1 mark)
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22. 2009 Q23 P1

The diagram below illustrates an experiment on soil. Study it carefully and answer the questions that follow.



(a) State the aim of the experiment (1mark)

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(b) If the volume of water illustrated in the measuring cylinder was observed after one hour identify the soil sample labeled A and B. (1/2 mark)

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(c) State two ways in which the soil structure of the sample labeled C above can be improved (2 marks)

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23. 2010 Q23c P1

State five soil factors that should be considered when selecting a crop to grow in an area

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24. 2010 Q24a P1

Outline five ways in which high temperature affects agricultural production in Kenya.

(5 marks)

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25. 2011 Q28a P1

Explain five ways in which biotic factors influence crop production in agriculture (5marks)

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26. 2012 Q2 P1

State four biotic factors that influence crop production. (2marks)

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27. 2012 Q24c P1

Explain the different ways in which each of the following environmental factors influence crop production:

(i) Temperature; (4marks)

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(ii) Wind. (5marks)

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