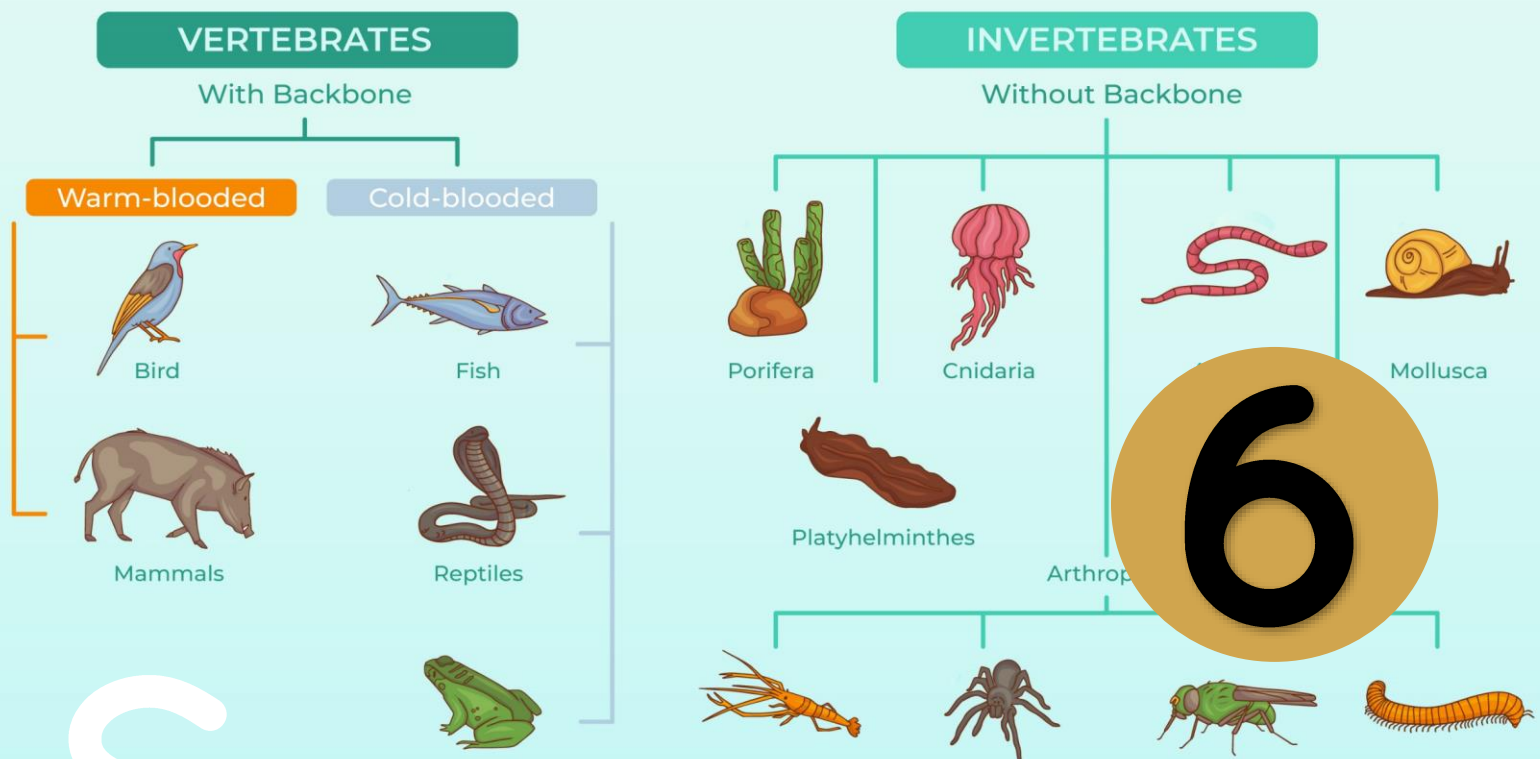


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Science Revision

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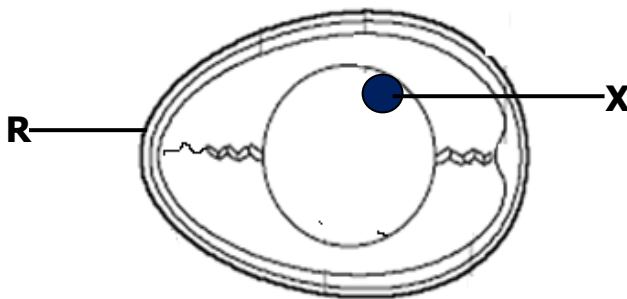
1. Name any **one** fungi.

2. Write any **one** activity which is supported by the air property "air exerts pressure."

3. In which way does a bat differ from all other mammals?

4. Name the bee which does most of the duties in a beehive.

The diagram shows a fertilized egg. Use it to answer questions 5 and 6



5. Identify the part of the egg marked **X**.

6. How is part **R** suitable for gaseous exchange?

7. How can you help your class monitor to promote sanitation in class?

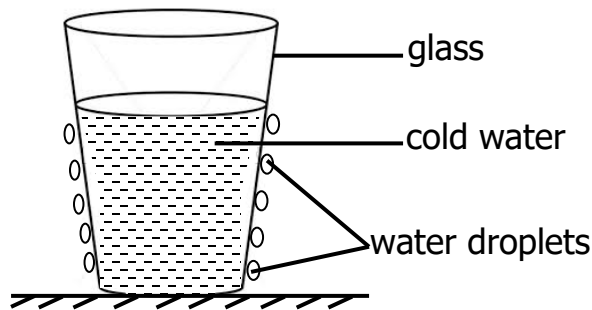
8. Give any **one** way through which heat travels.

9. In which way is a cat helpful to a crop farmer?

10. Write any **one** use of cow dung to people.

11. Besides a tooth brush, give any other material used in the promotion of oral health.

The diagram below shows a glass with cold water from a fridge. Use it to answer question 12.



12. Which process led to the formation of water droplets on the glass?

13. When do learners use the displacement method of measurement?

14. How do wetlands promote the spread of malaria?

15. Why should farmers be encouraged to use correct farming methods?

16. How is a lion different from an antelope in the way they feed?

17. In which way does a parent's excessive drinking of alcohol affect a family?

18. Name the major component of air in the atmosphere.

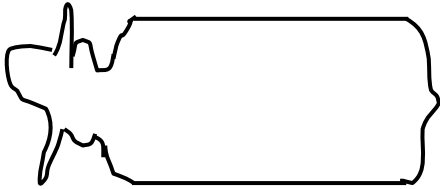
19. Name any **one** item that can be used to harvest resources such as water.

20. Name any **one** wingless insect.

21. Identify any **one** health lifestyle that can help you fight skin diseases.

22. Why does a piece of paper float on water?

23. Name the main product obtained from a cow with the shape below.



24. Give the common way through which **HIV** is spread.

25. Why is clay soil the most suitable for making pots?

26. How can a farmer know that his cow is on heat?

27. Write any **one** use of water to a school child apart from drinking.

28. How does sound of a child singing reach a person 200 metres away?

29. Why is freezing regarded as a physical change?

30. Write any **one** element of P.H.C.

31. How is the boiling of water for drinking control the spread of diarrhoeal diseases?

32. Name any **one** agent of soil erosion.

33. How can echoes be reduced in cinema halls?

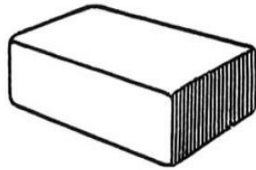
34. Name the organ of hearing in insects.

35. Which type of weather is suitable for winnowing?

36. Write any **one** activity that can destroy habitats of wild animals.

37. State any **one** importance of heat from the sun.

The diagram below shows a building material.



38. Name the natural resource from which the above product is made.

39. Give any **one** way people abuse drugs.

40. How is the seed below dispersed?



SECTION B:

41. **Match the items in A with those in B correctly.**

A

- (i) insecticides
- (ii) Acaricides
- (iii) Pesticides
- (iv) herbicides

B

- pests
- weeds
- ticks
- insect vectors

- (a) Insecticides
- (b) Acaricides
- (c) Pesticides
- (d) herbicides

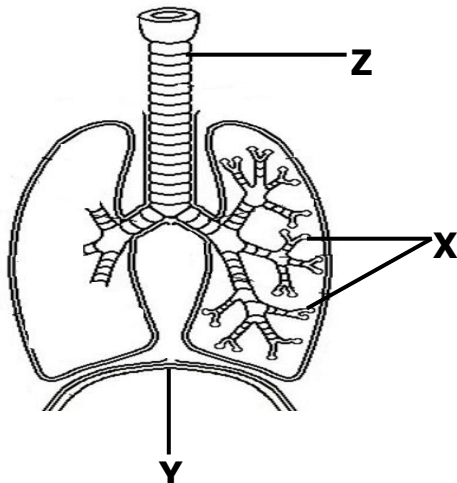
42. (a) Give any **two** types of chicken reared in Uganda.

- (i) _____
- (ii) _____

(b) Which system of poultry keeping is commonly used by most;

- (i) rural farmers? _____
- (ii) commercial farmers? _____

43. **The diagram below shows a respiratory system. Use it to answer questions that follow.**



(a) Name the part marked **Y** and **Z**.

Y _____

Z _____

(b) What process takes place in part labelled **X**?

(c) How can the above respiratory system be kept healthy?

44. (a) Name any **one** childhood immunisable disease caused by the following germs.

(i) Virus _____

(ii) bacteria _____

(b) Why is immunization important to people?

(c) How can a P.6 child help to promote immunization in the community where he / she lives?

45. **Study the list of animals given below and answer questions that follow.**

| |
|---|
| goose , fish , lizard , rabbit , frog , bat |
|---|

(a) Give any **one** similarity among all the animals above.

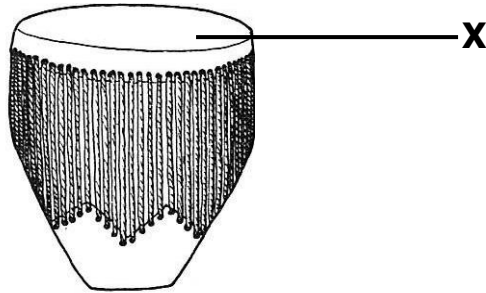
(b) How is a rabbit different from the fish?

(c) Identify any **two** animals from the list above that have fur on their bodies.

(i) _____

(ii) _____

46. **The diagram below shows a musical instrument.**



(a) Identify the group of musical instruments to which the one above belongs.

(b) How does the instrument above produce sound?

(c) Name the animal product used to make part **X**.

(d) Write **one** factor that can affect the pitch of sound produced by the instrument above.

47. (a) State the importance of stomata to a plant.

(b) Why do some plants shed their leaves in the dry season?

(c) Write any **two** conditions needed by plants to grow well.

(i) _____

(ii) _____

48. (a) Name the instrument used to measure rainfall.

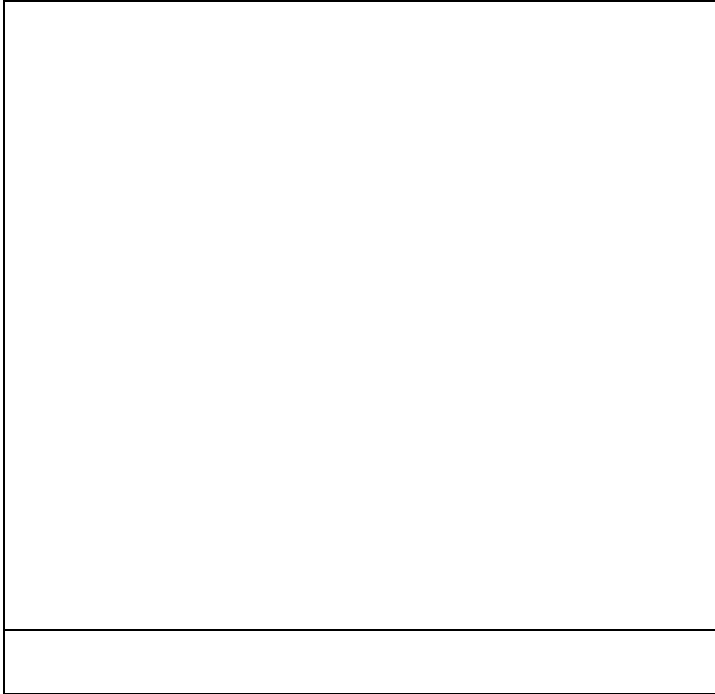
(b) In which units is rainfall measured?

(c) Write any other **two** weather instruments.

(i) _____

(ii) _____

49. **Draw and name any one item used to clean the school compound.**



(b) Why should a school compound be kept clean?

(c) Identify any **two** components of a clean home.

(i) _____

(ii) _____

50. (a) Give any **one** component of a balanced diet.

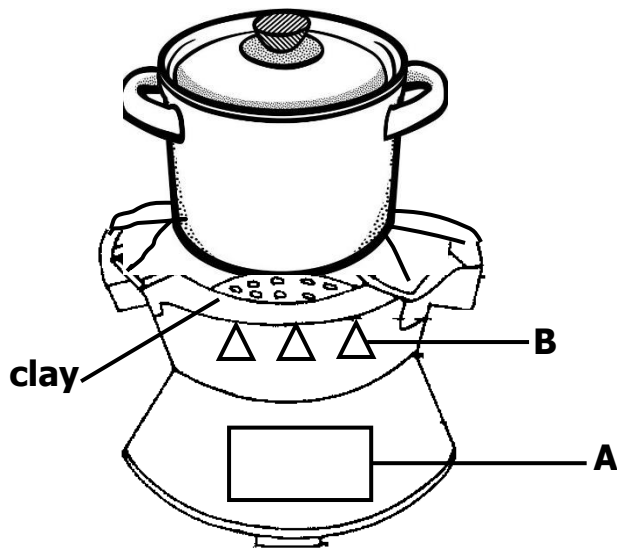
(b) Why are people advised to eat a balanced diet?

(c) Write any **two** signs of poor feeding in children.

(i) _____

(ii) _____

51. **The diagram below shows a saucepan with water on fire.**



- (a) Give the use of holes marked **A** and **B**.
- A** _____
- B** _____
- (b) Name the fuel used by the stove above.
- _____
- (c) How does the above stove help to conserve the environment?
- _____
- _____
52. (a) Apart from sun drying, give any other **two** methods of food preservation.
- (i) _____
- (ii) _____
- (b) Identify any **two** food stuffs that is preserved by sun drying.
- (i) _____
- (ii) _____
53. (a) Write any **two** items needed by a person going to harvest honey.
- (i) _____
- (ii) _____

(b) What is the best time for harvesting honey?

(c) Give a reason to support your answer in (b) above.

54. (a) Write down any **two** importance of soil.

(i) _____

(ii) _____

(b) Name any **one** harmful material on soil.

(c) State any **one** effect of the harmful material you have named in (b) to the soil.

55. (a) Write **PIASCY** in full.

(b) State any **two** importance of **PIASCY** in schools.

(i) _____

(ii) _____

(c) Write down any **one** **HIV/AIDS** message for your school.

PAPER 2

56. Name **one** liquid that can float on water.

57. Write **one** word that refers to the physical change of state from vapour to water.

58. Give any **one** way of managing wastes in the environment.

59. Which immunisable disease in children is fought using the **BCG** vaccine?



60. What is the use of the above tool to crop farmers?

61. Name the type of bees in a hive that mate with the queen bee.

62. Give **one** structural difference between arteries and veins.

63. Why do some plants like pumpkins climb other plants?

64. How can a P.6 pupil prevent himself/herself from getting infected with HIV/AIDS?

65. Give the component of air used in stopping fire outbreak.

66. Name any **one** organ which is damaged when an individual over depends on alcohol.

67. Give any **one** cause of dehydration among children.

68. Which element of weather is measured using a hygrometer?

69. Name the human body organ found in the head that helps us to remember things.

70. Write down any **one** danger of having poor shelter.

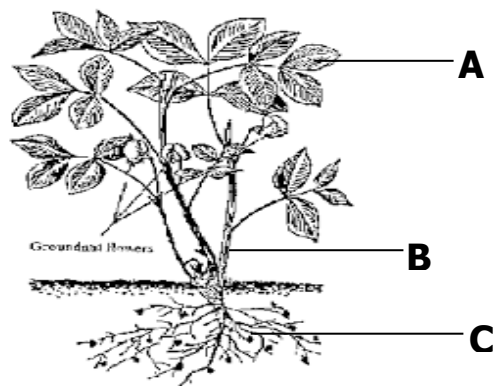
71. Name any **one** component of soil.

72. Write down any **one** content of a first aid box.

73. Give any **one** disorder of the digestive system.

74. Why should layers be fed on feeds containing enough calcium.

The diagram below shows a plant. Use it to answer question 20.



75. Which letter shows the structure used by the plant to take in water?

76. Why are fire extinguishers painted with bright colours?

77. Why is it important for people to keep their bodies clean?

78. Write down any **one** way in which people can destroy their environment.

79. Give **one** example of a leguminous crop.

80. State any **one** way in which people can manage rainy weather.

81. Insects have three main body parts. Give any **one** of them.

82. Name **one** activity done at school to prevent the spread of faecal diseases.

83. How can a poultry farmer prevent diseases that attack poultry?

84. Write down any **one** insect that stings.

85. State any **one** natural cause of changes in the environment.

86. How do clouds bring changes in temperature?

87. Name the sense organ that helps one to detect a dog barking.

88. Give any **one** source of water.

89. Name the type of energy possessed by a moving object.

90. Name the deficiency disease the person is suffering from.



91. State any **one** element of Primary Health Care.

92. How can we prevent accidents that happen in our classrooms?

93. How does boiling make water safe for drinking?

94. State any **one** effect of alcohol to an individual.

95. Why should a school have a first aid box?

SECTION B

96. (a) In **one** sentence, give the meaning of the term "plant propagation".

(b) How are the following plants propagated?

(i) Banana _____

(ii) Cassava _____

(c) Name any **one** plant that produces fibre.

97. (a) Give any **two** reasons why animals move from one place to another.

(i) _____

(ii) _____

(b) How do the following animals move?

(i) snake _____

(ii) frog _____

98. (a) List down any **one** food stuff that can be preserved by the following ways.

(i) Smoking _____

(ii) Sun drying _____

(iii) Pasteurization _____

(b) Give **one** importance of preserving food.

99. (a) Write down the first thing you would do when preparing ORS at home.

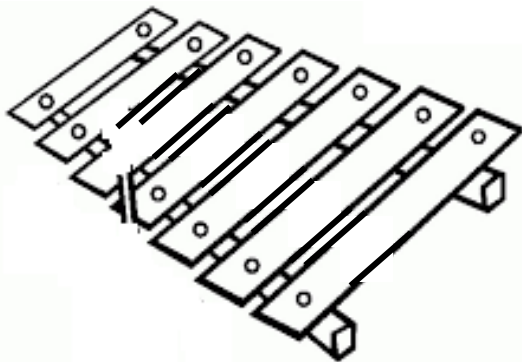
(b) Name any **two** materials used in making ORS.

(i) _____

(ii) _____

(c) How is ORS useful to a dehydrated person?

100. **The diagram below is of a musical instrument. Use it to answer the questions that follow.**



(a) Name the musical instrument above.

(b) How does the instrument above produce sound?

(c) Identify the bar which will produce the lowest pitch.

(d) To which group of musical instruments does it belong?

101. (a) State the role of the human heart.

(b) Name the blood component that transports oxygen to all body parts.

(c) Give any **two** ways in which you can increase the amount of blood in your body?

(i) _____

(ii) _____

102. (a) Write any **one** disease that results from active smoking.

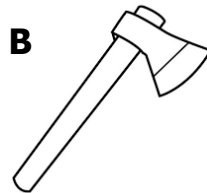
(b) Give any **two** reasons why people smoke.

(i) _____

(ii) _____

(c) Name any **one** life skill that can safe guard you against smoking.

103. **The diagrams below show garden tools. Study them and answer the questions that follow.**



(a) Name the garden tools marked **A** and **B**.

A _____

B _____

(b) Give **one** use of tool marked **B** at home.

(c) State any **one** way of caring for garden tool **A**.

104. (a) Write the following abbreviations in full.

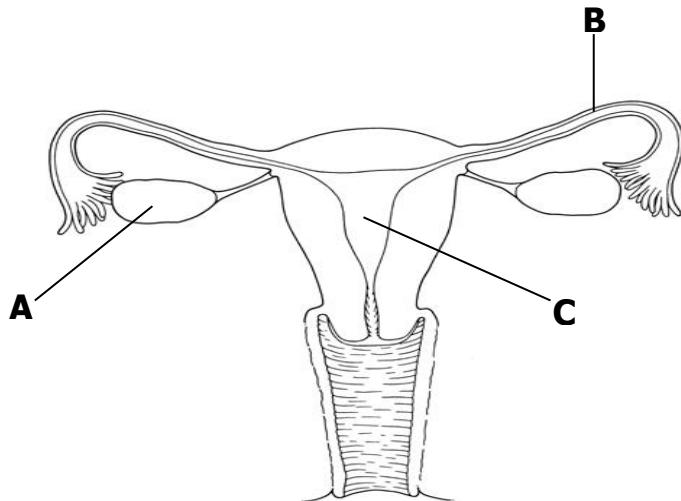
(i) AIDS

(ii) HIV

(b) How is PIASCY useful to school children?

(c) Write any **one** PIASCY message.

105. **The diagram below is of the reproductive system of a woman.**



(a) Name the parts marked by letter **A** and **C**.

(i) **A** _____

(ii) **C** _____

(b) Give the function of part marked with letter **A**.

(c) Identify any **one** sexually transmitted disease that attacks the system above.

106. (a) How do hookworms enter our bodies?

(b) State **one** danger of hookworms to people.

(c) Write down **two** health habits that can help people to avoid worm infestation.

(i) _____

(ii) _____

107. (a) Name **two** materials farmers use to mulch a garden.

(i) _____

(ii) _____

(b) Give any **two** importance of mulching.

(i) _____

(ii) _____

108. **Match the following diseases in A to B correctly.**

A

Yellow fever

Malaria

Sleeping sickness

Dysentery

B

amoeba

trypanosomes

virus

plasmodium

- (i) Yellow fever _____
- (ii) Malaria _____
- (iii) Sleeping sickness _____
- (iv) Dysentery _____

109. (a) What is food taboo?

(b) How does food taboo lead to malnutritional diseases?

(c) Identify **one** advantage of food taboo.

(d) Give any **one** effect of poor feeding to babies.

110. (a) Name the instrument we can use to see bacteria.

(b) State **two** ways in which bacteria is useful to people.

(i) _____

(ii) _____

(c) How are bacteria different from yeast in terms of reproduction?

PAPER 3

111. Give **one** example of wood fuel commonly used by people in Uganda.

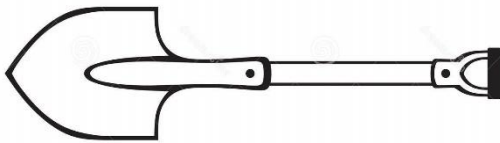
112. Root crops are crops that store their food in the roots. Suggest **one** way people prepare such food stuffs for eating.

113. In which state of matter are the molecules closely attached together?

114. Name any **one** sound storage device that can produce sound in a computer.

115. Eyes, brain, ears stomach, urinary bladder, heart, lungs, liver and the kidneys are some of the major body organs. State **one** function of the kidneys.

116. Name the garden tool drawn below.



117. State any **one** type of poultry commonly kept in Uganda today.

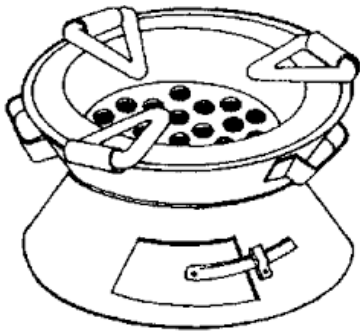
118. Give any **one** negative effect of bush burning to the environment.

119. Identify any **one** behaviour or habit that can maintain good working conditions of the digestive system.

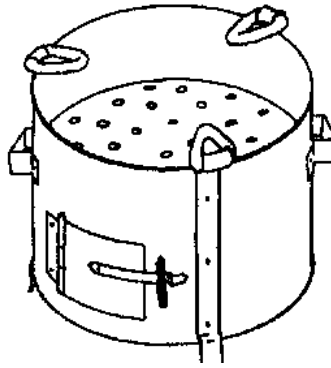
120. Which stage in the life cycle of a mosquito is very dangerous to human life?

121. State any **one** way of controlling intestinal worms in people.

The diagrams below shows two different charcoal stoves (sigiri).



A



B

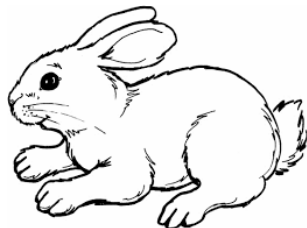
122. How does the use of stove **A** conserve our environment?

123. Write down the weapon that can be used by a wasp to defend itself from its enemies.

124. An accident is a sudden happening that causes harm to the body. Describe any **one** effect of accidents to people.

125. The immunisation schedule in Uganda is free and mandatory. Identify any **one** group of people who must be immunised.

The diagram below shows an animal kept at home.



126. Give any **one** common product people who keep such animals can get.

127. How does smoking tobacco affect the lungs of people who smoke?

128. Soil is defined as the top layer of the earth's surface. How does it help people in our community to survive?

129. Air is a mixture of gases. What term is given to air in motion movement?

130. Apart from water, name any other item people use to keep their bodies clean.

131. Mention any **one** food processing method in which yeast plays a big role.

132. During the preparation of ORS, sugar and salt are dissolved in the water. Give one use of sugar to the patient who takes / drinks ORS.

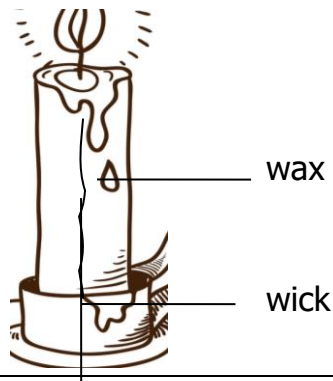
133. Light and heat from the sun is known as sunshine. State any **one** use of the light to plants in the environment.

134. Identify any **one** way of killing germs in water.

135. Which kind of blood cells are attacked by plasmodium that causes malaria fever?

136. Farmers carry out different practices / activities on their farms. What is gap-filling as used in crop farming?

The diagram below shows a burning candle. Use it answer questions 28 and 29.



137. What type of change does the wax undergo when the candle is burning?

138. Write HIV in full.

139. Different diseases spread from one person to another in different ways. Give any **one** communicable disease that spreads through air.

140. How are locusts dangerous to plants?

141. A disorder is anything that disrupts the healthy or normal function of a body system. Write down any **one** disorder of the human teeth.

142. A primary three class learnt about trees in class. And Petero, one of the pupils in that class went and started a simple project on tree planting at home. Describe **one** importance of the project he started to his family.

143. Vitamins are very useful nutrients in the human body. Identify the deficiency disease due to lack of vitamin A.

144. Why is a snail regarded as an invertebrate?

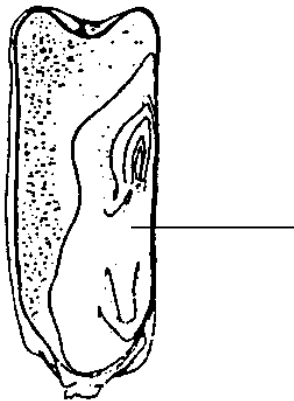
145. Name the type of soil whose texture is rough and has large particles.

146. Which type of change takes place when a plant bears fruits?

147. Give **one** way people can protect themselves against rainy weather.

148. State **one** similarity between burning and rusting.

The diagram below shows a maize grain.



149. Name the part marked with letter P.

SECTION B

150. **Match the following disease with vectors that spread them correctly.**

A

B

(i) Malaria

Culex mosquito

(ii) Bilharzia

Tiger mosquito

(iii) Elephantiasis

Black fly

(iv) River blindness

Anopheles mosquito

Water snail

(i) Malaria

(ii) Bilharzia

(iii) Elephantiasis

(iv) River blindness

151. (a) What is Primary Health Care?

(b) Write down any **two** elements of PHC

(i) _____

(ii) _____

(c) Give **one** activity in which an individual can promote PHC in the community where he/she lives.

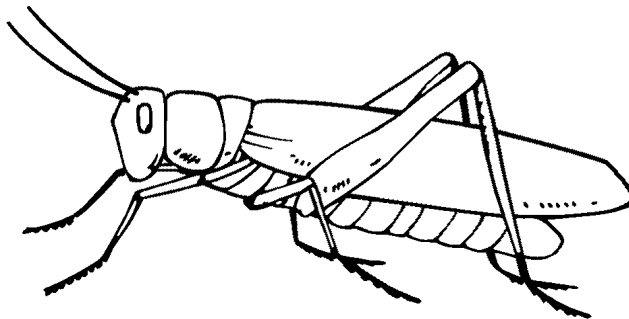
152. A stone of 98gm was lowered into a measuring cylinder and the water level rose from 18ml to 32ml.

a) Find the volume of the stone in the above experiment. (2 marks)

b) Why did the stone sink in water?

c) Identify any **one** substance that can float on water.

153. **The diagram below shows an insect that is a delicacy in Central Uganda.**



(a) Name it.

(b) State any **one** characteristic of the above insect.

(c) Give any **one** food for the above insect.

(d) Which form of energy do people use to catch many of them for business or sale?

154. (a) What is breast feeding?

(b) Describe any **one** advantage of bottle feeding to a working class mother like your teachers at Greenhill Academy?

(c) Weaning is the gradual introduction of semi-solid foods in the diet of a baby in addition to breast milk. Give any two examples of weaning food.

- (i) _____
- (ii) _____

155. (a) What is soil erosion?

(b) Name any **two** types of soil erosion.

- (i) _____
- (ii) _____

(c) Identify any **one** cause of soil erosion in the environment.

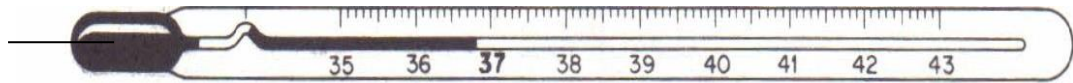
156. (a) Give any **two** reasons why people keep goats in Uganda.

- (i) _____
- (ii) _____

(b) Name any **one** breed of goats kept in Uganda.

(c) Identify any **one** disease that attacks both goats and sheep.

157. (a) On the medical instrument below, indicate the part that prevents back flow of mercury.



(b) What is the role of the above instrument to a doctor?

(c) Give the function of part marked with letter **K**.

(d) Why does the doctor shake the above instrument before using it?

158. (a) What is immunity?

(b) Name any **one** type of immunity.

(c) How does a person acquire the type of immunity you have named in (b) above?

(d) Name any one place in our community where we take children for immunization..

159. Complete the table below.

| Animal | Breathing Organ |
|----------|-----------------|
| _____ | Moist skin |
| Housefly | _____ |
| _____ | Gills |
| Cow | _____ |

160. (a) Name any **two** examples of root crops in the environment.

(i) _____

(ii) _____

(b) Mention any **one** disease that attacks root crops.

(c) Describe any **one** way farmers can preserve harvested root crops for a long time.

161. (a) Give the function of each of the following parts of the human body.

(i) kidney

(ii) brain

(b) Mention any **one** way of caring for the human eyes.

(c) Identify any **one** disease that attacks the human eyes.

162. Some insects are active during day time (diurnal) while others are active in the night (nocturnal).

(a) Give **one** example of each of the groups above.

(i) diurnal insects

(ii) nocturnal insects

(b) State any **one** use and danger of insects to people.

(i) use:

(ii) danger:

163. A seed is a mature plant ovule containing an embryo.

(a) Which part of the seed develops into the shoot system?

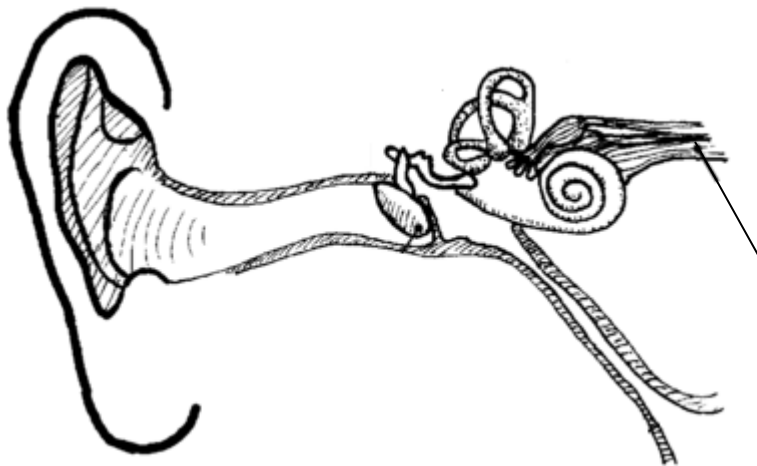
(b) Apart from being used as food, give any two uses of seeds to people and other animals.

(i)

(ii)

(c) What scientific term is given to the ability of a seed to germinate or grow?

164. **The diagram below is a human ear. Study it carefully and answer the questions that follow.**



(a) Where does part labelled **J** lead to?

(b) Identify any **one** part of the ear found in the following regions;

(i) outer ear.

(ii) middle ear

(c) To which form of energy does the organ above respond in order to function?

PAPER 4

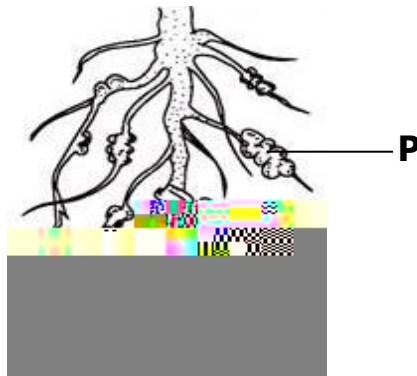
1. Name any **one** poisonous fungus.

2. Give any **one** domestic animal that neither gives us milk nor meat.

3. State any **one** way in which people can use rabbit urine and dung at home.

4. Identify the mineral salt that helps in strengthening of our teeth and bones.

The diagram below shows roots of a legume. Study it carefully and answer question 5



5. Name the part marked **P**.

6. Apart from bees, mention any other social insect.

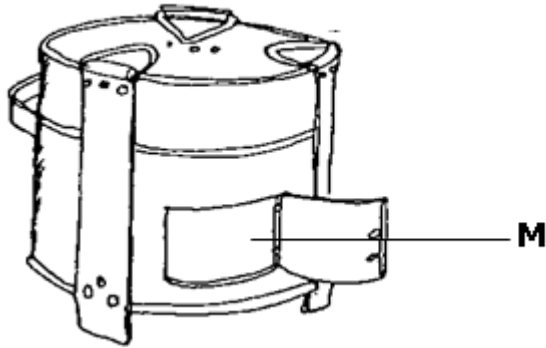
7. How is a mosquito similar to reptiles in terms of reproduction?

8. Why is it not good to cut down trees without planting new ones?

9. Give any **one** way in which plant leaves can be useful to people.

31. Give **one** insect vector that may spread more than one disease to people.

The diagram below is of a charcoal stove of clay.



32. Of what importance is the hole marked **M** when using the stove above.

33. Identify any **one** thing we can make from sisal.

34. State any **one** problem of poor personal hygiene.

35. Give any **one** economic importance of mosquitoes to people.

36. Which element of **PHC** helps to control rapid population growth?

37. What should a rabbit farmer do to prevent his rabbits from catching diseases?

38. How many pairs of legs has a spider?

39. Give any **one** example of a percussion musical instrument.

40. How does the practice below prevent and control the spread of common diseases?

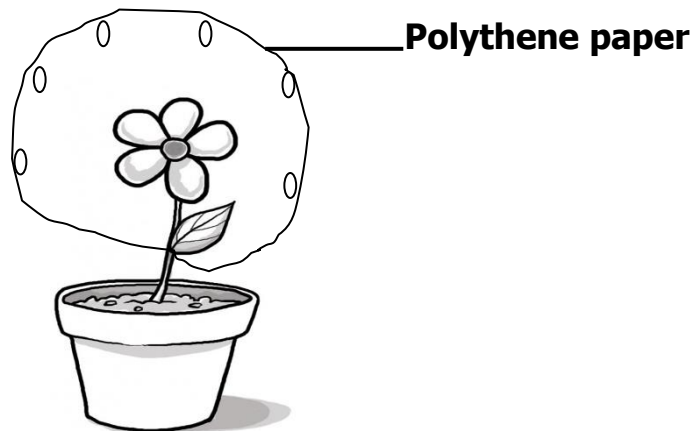
No spitting in public

SECTION B

41. Write down **one** use of each of the body organ given below.

- (i) Urinary bladder _____
- (ii) Stomach _____
- (b) State any **one** functional similarity between the ear and the brain.
- _____
- (c) Mention any **one** habit that may endanger or bring trouble to the human liver.
- _____

The diagram below shows an experiment carried out on a plant. Use it to answer question 42.



42. (a) What was the experiment about?
- _____
- (b) What is the purpose of the polythene paper in the experiment above?
- _____

(c) Give any **two** factors that determine the rate of the above process.

(i) _____

(ii) _____

43. (a) In which season of the year do farmers usually mulch their gardens?

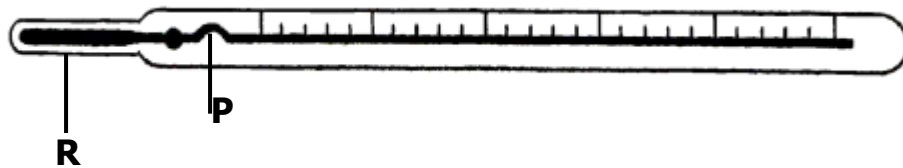
(b) Mention any **two** reasons why farmers mulch their gardens.

(i) _____

(ii) _____

(c) State any **one** disadvantage of mulching a school garden.

The diagram below shows a thermometer. Use it to answer question 44.



44. (a) What name is given to the thermometer above?

(b) Give the function of part marked with letter **R**.

(c) Name the liquid commonly used in the above thermometer.

(d) How does a doctor sterilize the above thermometer after use?

45. A farmer kept one got and one rabbit in different houses. He used to put different types of food in their houses. He recorded the number of times they ate each food as shown below.

| Animal | Sweet potato leaves | Cassava leaves | Sorghum leaves | Grass | Maize leaves | Banana leaves |
|--------|---------------------|----------------|----------------|-------|--------------|---------------|
| | | | | | | |

| | | | | | | |
|---------------|---|---|---|---|---|---|
| Rabbit | 4 | 2 | 0 | 2 | 2 | 2 |
| Goat | 3 | 1 | 1 | 3 | 3 | 2 |

(a) What was the most favourable food for the;

(i) Rabbit _____

(ii) Goat _____

(b) What was the least favourable food for the rabbit?

(c) If the farmer was to use only one type of food, which one would be the most favourable for both the goat and the rabbit?

46. (a) Why are babies grouped under vulnerable groups of people?

(b) Apart from babies, name **two** other vulnerable groups of people.

(i) _____

(ii) _____

(c) Why should school children be encouraged to feed on fruits and vegetables?

47. The diagram below shows a musical instrument. Use it to answer questions that follow.



- (a) To which group of musical instruments does the above instrument belong?

- (b) Which of the strings will produce;
- (i) The highest pitch _____
- (ii) The lowest pitch _____
- (c) If you want string **C** to produce a higher pitched sound, what will you do?

48. (a) Give any **two** disorders of the digestive system.

- (i) _____
- (ii) _____

(b) Name any **two** diseases that attack the digestive system

- (i) _____
- (ii) _____

49. (a) Name any **two** craft materials got from swamps.

- (i) _____
- (ii) _____

(b) Apart from getting craft materials from swamps, give **one** other use of swamps to people.

(c) In which **one** way can swamps be protected from destruction?

50. a) Name any **two** sources of food in your community.

- (i) _____
- (ii) _____

(b) How is food useful in the human body?

- (i) _____
- (ii) _____

51. (a) What are germs?

(b) Identify any **one** place where germs are found.

(c) Give any **two** ways in which germs can be spread.

(i) _____

(ii) _____

52. (a) Name any **one** type of immunity.

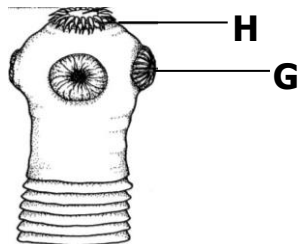
(b) Give any **one** role of a P.6 child in the immunization program.

(c) Mention any **two** diseases controlled by immunizing using DPT vaccine.

(i) _____

(ii) _____

The diagram shows a parasite worm. Use it to answer question 53.



53. (a) Name part labeled **H**.

(b) Give the function of part labeled **G**.

(c) How do human beings get infected by tape worms?

(d) How can tape worm infestation be controlled?

54. Germination, burning, melting and evaporation are common changes in the environment.

(a) Which of the above changes is a biological change?

(b) Name any **two** of the above changes that produce a new substance.

(i) _____

(ii) _____

(c) How is evaporation similar to melting?

55. (a) Which first aid is administered by applying cold water on the affected part?

(b) Give the use of the following in first aid management.

(i) cotton wool _____

(ii) Bandage _____

(c) What first aid can you give to a young child who has swallowed rat poison?

PAPER 5

1. Besides water, give any **one** other item used in cleaning our feet.

2. Identify the element of weather suitable for removing moisture from harvested cereals.

3. What does the bird with the beak below feed on?

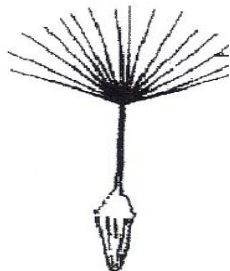


4. In which **one** way is crop rotation important to a farmer?

5. Give any **one** way in which gumboots are useful to people during rainy weather.

6. Mention any **one** vaccine given to infants at the age of six weeks.

7. How is the fruit below adapted to its mode of dispersal?



8. A solid block of mass 24g was dropped in an over flow can and displaces 12cm^3 of water into a measuring cylinder. Find the density of the solid block.

9. Which blood vessel transports deoxygenated blood from the heart to the lungs?

10. What is a soil profile?

11. How can a mother control and prevent burns at home?

12. State the importance of serving food in clean containers.

13. Give any **one** way of controlling poultry vices on a farm.

14. The diagram below shows part of a plant.



Indicate the axillary bud using letter **Y** on the diagram.

15. Why is sorting clothes important to a person washing?

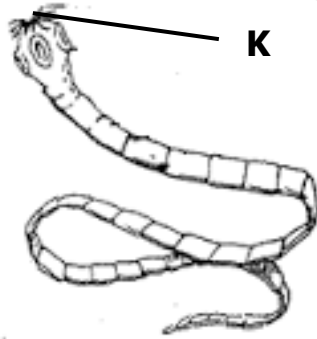
The diagram below shows a garden tool use it to answer question 16.



State the function of the above garden tool to a farmer.

17. State any **one** danger of electricity at home.

18. **Use the diagram below of a tape worm to answer questions that follow.**



Name part marked **K**.

19. Why is it easier to control **AIDS** than controlling malaria?

20. How are snakes similar to weaver birds in the way they reproduce.

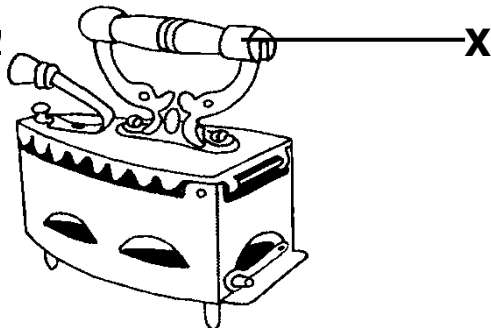
21. Why is coffee and tea grouped under perennial crops?

22. Apart from decomposition, how else can soil be formed?

23. Identify **one** place where the soil profile can be seen properly.

24. Name the type of soil used in filtration of water.

The diagram below is of a charcoal box. Use it to answer the question that follo



25. Why is part marked **X** not made up of iron?

26. How is wax important in the auditory canal?

27. Which property of air enables a P.6 child to drink soda from a bottle using a straw?

28. Give any **one** advantage of a **VIP** latrine.

29. Write any **one** sign of crop damage by pests.

30. Why is it a good practice for a pupil to wash his / her clothing and beddings?

31. What are warm blooded animals?

32. Why is cassava grouped under root tubers?

33. State any **one** way you can separate beans from bean husks?

34. How is the reproduction of a mushroom different from that of bacteria?

35. Covert 10°C to $^{\circ}\text{F}$

36. Give any **one** way you can maintain the normal functioning of your respiratory system?
- _____
37. Why is distilled water not good for drinking?
- _____
38. What is the role of the liver during digestion?
- _____
39. Why is a space left in soda bottles?
- _____
40. Give any **one** way of caring for sheep.
- _____

SECTION B

41. Match the animals in list A to their habitats in list B correctly.

A

Dog

Cattle

Pig

Lion

B

Sty

Den

Kennel

Kraal

- (a) Dog : _____
- (b) Cattle : _____
- (c) Pig : _____
- (d) Lion : _____

42. (a) What is food preservation?

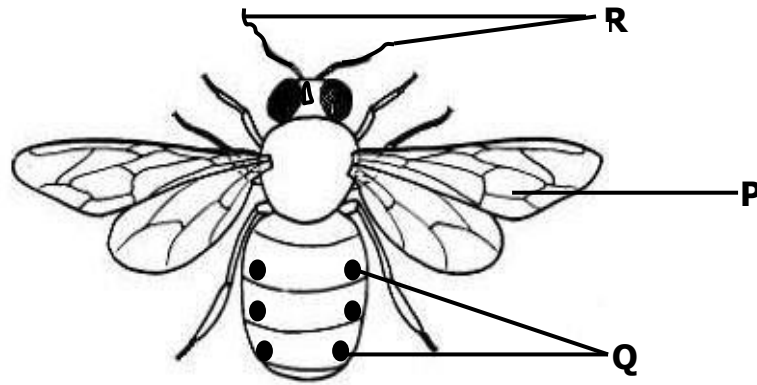
(b) Apart from sun drying, mention other **two** local methods of food preservation.

- (i) _____

(ii) _____

(c) Why do farmers preserve food?

43. The diagram below shows a housefly. Use it to answer questions below.



(a) Give the roles of parts **Q** and **P** to insects.

Q _____

P _____

(b) How can the above organism be controlled in pit latrines?

(c) What problem is the insect most likely to face if parts labelled **R** were cut off?

44. (a) What are crop pests?

(b) Give **two** examples of crop pests in the garden.

(i) _____

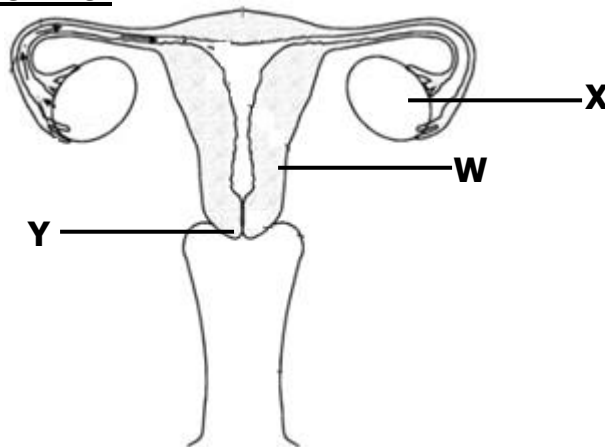
(ii) _____

(c) Write any **one** way of controlling garden crop pests.

45. (a) Identify any **one** disease and disorder of the human teeth.

- (i) Disease : _____
- (ii) Disorder : _____
- (b) How do you prevent the above disease identified in 45 (a).
- (i) _____
- (ii) _____

The diagram below shows the female reproductive organ. Use it to answer question 46.



46. (a) Name the parts marked by letter **X** and **Y**.
- X** _____
- Y** _____
- (b) By use of letter **N**, show the part where fertilization takes place.
- (c) Give any **one** disease which affects the above organ.
- _____
47. (a) Write **AIDS** in full.
- _____
- _____
- (b) What germ causes **AIDS** among people?
- _____
- (c) As a pupil in Primary Six, how can you avoid getting **AIDS**?
- _____

- (d) Write any one **PIASCY** message that can protect school going children from contracting HIV / AIDS.

48. (a) Besides proteins , name any other food value.

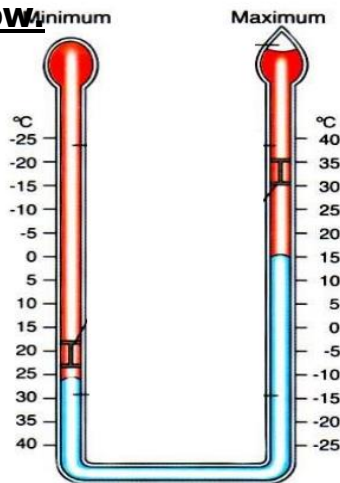
- (b) Give the use of proteins to children.

- (c) Write any **two** effects of poor nutrition to infants.

(i) _____

(ii) _____

49. **The diagram below shows a thermometer. Use it to answer questions that follow**



- (a) Name the kind of thermometer shown above.

- (b) Give the use of the above thermometer at a weather station.

- (c) Apart from mercury, name any other liquid used in the above thermometer.

- (d) Write any **one** difference between the above thermometer and a clinical thermometer.

50. (a) Who is a first aider?

- (b) Why are first aiders necessary in a school?

- (c) Give the first aid for nose bleeding.

- (d) Why should casualties at times be taken to hospital?

51. (a) Besides floods , identify any **two** natural changes that can displace people.

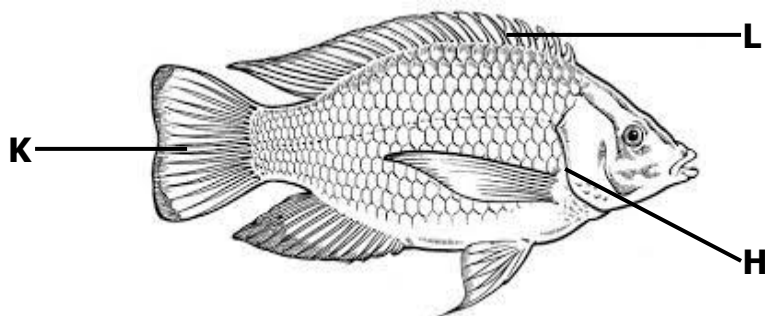
- (i) _____

- (ii) _____

- (b) Apart from displacing people, write any other effect of natural changes.

- (c) Give any **one** way of controlling floods in your area.

The diagram below shows a fish. Use it to answer question no. 52.



52. (a) Which organ of the fish is protected by structure marked **H**?

(b) Name the part marked **L**.

(c) In which way is part labelled **K** useful to the above animal?

(d) Why is the above animal able to live in water?

53. (a) Besides paraffin , mention any **two** fuels used in our homes.

(i) _____

(ii) _____

(b) Give any **one** danger of using paraffin at home.

(c) Write any **one** way of saving energy at home.

54. (a) Why do bees swarm?

(i) _____

(ii) _____

(b) How can you prevent bees from swarming?

(c) Why is bee farming regarded as a business?

55. (a) How can milk be preserved?

(b) Mention any **two** products got from milk.

(i) _____

(ii) _____

(c) Apart from a cow, give **one** other animal that gives milk.

PAPER 6

165. Name any **one** component of soil that can also be used by animals for breathing.

166. Why do farmers keep poultry such as chicken?

167. Describe **one** way you help a person who is unable to see (blind man).

168. Apart from the spiny ant eater, mention **one** other example of minostremes.

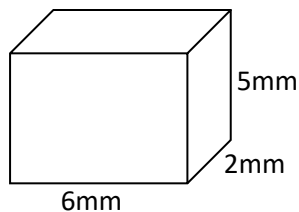
169. The human body is made up of many organs. Give any **one** use of the brain as an organ in the human body.

170. Mary collected water from the well. She filtered and later boiled it. What do you think she was going to use the water for?

171. There are many natural changes in our environment such as floods, drought, landslides and earthquakes. Give any **one** effect of such natural changes.

172. Besides saving life, state any **one** importance of giving first aid to a casualty.

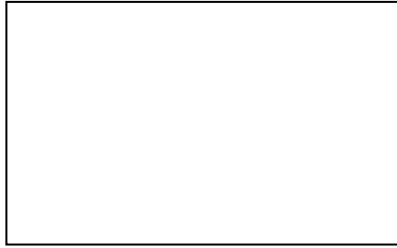
173. Calculate the volume of the figure shown below.



174. How is a tadpole similar to a fish?

175. How dangerous are cockroaches to people?

176. In the space below draw **one** item/thing we use to clean our body.



177. Identify the stage in the life cycle of a bee that is able to swarm.

178. How is proper ventilation important in a hutch in rabbit keeping?

179. Sweets and biscuits are a delicacy for children all over the world. Describe any **one** danger of eating many of them.

180. Immunity is the body's ability to fight against disease causing germs. State any **one** way people can get immunity.

181. A mushroom is a common fungi that many Ugandans eat as sauce. How does a mushroom itself feed?

182. Why are people advised to brush their teeth after every meal?

183. The sun is found high up in the sky. State **one** way people can use the heat from it at home.

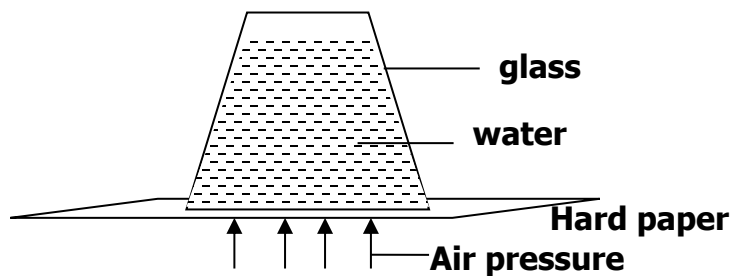
184. A mammal is a warm-blooded vertebrate animal that is distinguished by the possession of fur or hair. Give any **one** example of such an animal.

185. How does heat travel through solids?

186. Explain the way the process of photosynthesis in plants makes the environment /atmosphere clean.

187. Describe any **one** way in which people in a community can carry out maintenance of water sources.

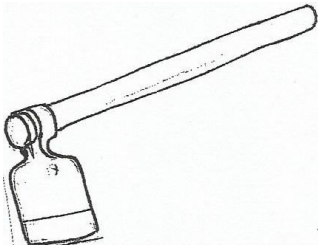
The experiment below shows that air exerts pressure.



188. How can the above property of air be used in our daily life?

189. How does poultry keeping in a given family help to control kwashiorkor among the children there?

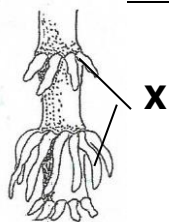
The garden tool below is of a hoe.



190. Describe **one** way a farmer can take care of the above garden tool.

191. Cite the element of primary health care that may be used to control population growth.

192. How are the roots marked with letter **P** important to a maize plant?



193. How do nimbus clouds contribute to high crop yields in a village food path?

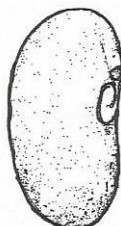
194. What is the gestation period of a doe?

195. Give the importance of a dustbin in our classroom at Greenhill Academy.

196. Of what importance are earthworms to a farmer?

197. Kawudha prepared matooke, covered it with banana leaves and added water to it. She put it on fire and after 36 minutes, the water was gone and the food started burning. Where had the water she had poured in the food gone?

198. By use of an arrow, show the testa on the diagram.



199. Why do we wash our hands when preparing ORS?

200. Communicable diseases are diseases that can be spread from one person to another. Give any **one** example of one of the communicable diseases.

201. Why is carbondioxide used in fire extinguishers?

202. Honey is a product that apiary farmers regularly harvest from the bee hives and sell or eat. State the food value we get from eating honey.

203. How useful are stomata to a plant?

204. Give any **one** biological change that takes place in animals.

SECTION B.

205. (a) Identify the season in which cereal crop farmers are advised to harvest their crops.

(b) Why is it important for the farmers to harvest their crops in the season you have given in (a) above?

(c) Cereal crop farmers carry out many activities during the “caring stage”.
Name any **two** of them.

(i) _____

(ii) _____

206. (a) Accidents are sudden happenings that cause harm to the body. Outline any **two** examples of accidents.

(i) _____

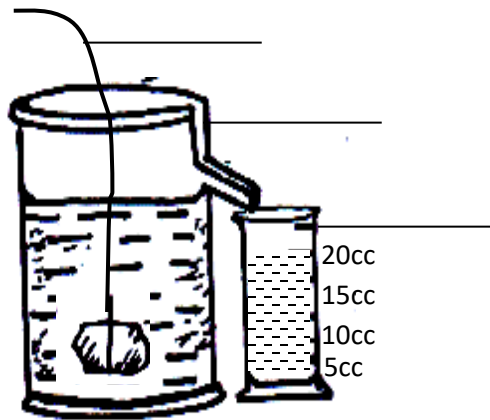
(ii) _____

(b) Describe any **two** effects of accidents on an individual/person.

(i) _____

(ii) _____

207. The diagram below shows a method of finding volume of an irregular object.



(a) Name the part marked **X** and **Q**.

(i) **X** _____ (ii) **Q** _____

(b) Give any **one** common example of an irregular object whose volume can be found in the same way.

(c) What is the volume of the displaced water?

208. Match vectors with the diseases they spread.

A

- (i) Housefly
- (ii) Tsetsefly
- (iii) Rats fleas
- (iv) Fresh water snails

B

- Bilharzia
- Trachoma
- Elephantiasis
- Plague
- Sleeping sickness

- (i) Housefly _____
- (ii) Tsetsefly _____
- (iii) Rat fleas _____
- (iv) Fresh water snails _____

209. (a) Briefly explain the term soil erosion.

(b) Apart from running water, mention two other agents of soil erosion.

(i) _____

(ii) _____

(c) State any **one** method of controlling soil erosion in the compound at home/school.

210. (a) Which body system is responsible for the breakage of food into soluble substances?

(b) Apart from teeth, mention **two** other organs in the system mentioned in (a) above.

(i) _____

(ii) _____

(c) Teeth are some of the important organs in the body. What is the use of teeth when eating?

211. **Steps taken when preparing ORS locally.**

(i) Wash your hands with water and soap.

(ii) Measure one litre of drinking water into a clean container.

(iii) Add eight leveled teaspoonfuls of sugar and one of salt into the water.

(iv) Stir until the sugar and salt dissolve.

(a) Identify the following from the experiment above.

(i) Solute _____

(ii) Solvent _____

(iii) Solution _____

(b) What would be the danger if the one making the ORS did not wash his hands with water and soap first?

212. (a) How does cross-breeding improve on local breeds of chicken?

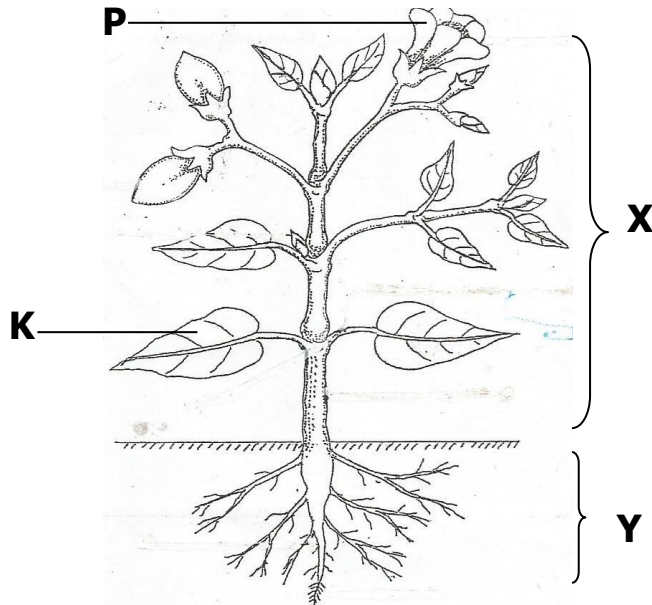
(b) Besides free range system, mention any **three** methods of keeping poultry birds.

(i) _____

(ii) _____

(iii) _____

213. The diagram below shows a flowering plant.



(a) Name the parts labeled **X** and **Y**.

(i) **X** _____

(ii) **Y** _____

(b) State **one** importance of part **P** to the plant.

(c) Identify the by-product that part **K** produces during photosynthesis.

214. (a) How does yeast reproduce ?

(b) Besides yeast, mention **two** other examples of fungi.

(i) _____

(ii) _____

(c) Describe **one** way in which fungi can be harmful to people.

215. (a) Why is an ostrich unable to fly (flightless)?

(b) Apart from an Ostrich, mention **two** other birds which cannot fly.

(i) _____

(ii) _____

(c) How can wild birds like the ostriches be useful to people in a country where they are?

216. (a) Give **one** way plants in our environment can be conserved.

(b) How do plants depend on animals?

(c) Identify any **two** uses of plants to animals.

(i) _____

(ii) _____

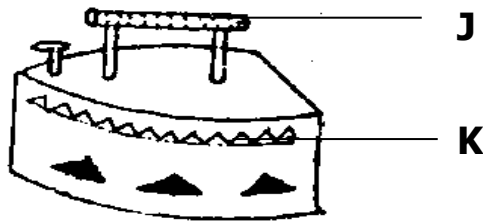
217. (a) Identify **one** animal fibre that can be got from sheep and goats.

(b) Goat farmers in Uganda usually find it hard when their goats die of diseases. Name any **one** disease that can kill goats.

(c) State any **one** way goat farmers in Uganda can protect their goats against the disease you have named in (b) above.

(d) From which external part of a goat does the goat farmer get milk?

218. The diagram below shows a local tool used at home.



- (a) How is the tool above useful at home?

- (b) Why is part marked **J** made out of a material that does not conduct heat?

- (c) Explain the use of holes marked **K** when the tool is in use.

- (d) Name **one** common fuel used in the tool above.

219. People are encouraged to wash hands after visiting the latrine.

- (a) Write down any of the materials we use to wash hands which are in the following states of matter:
- (i) Solid state

- (ii) Liquid state

- (b) Describe any **one** danger that may come as a result of not keeping our bodies, clothing and beddings clean.

- (c) Apart from washing and bathing, state any other **one** activity that school children do to keep clean.

PAPER 7

56. Name the type of cattle that is useful in the production of yoghurt.

57. How can a family fight deficiency diseases among its members?

58. Apart from insects, state any other group of arthropods.

59. Name the process through which water turns into ice.

60. Why is it necessary for farmers to carry out sorting before planting seeds?

61. Write **one** activity that school children can do to promote sanitation.

62. Give any **one** danger of air to people.

63. Name the component of soil formed as a result of decomposition.

64. How can farmers control over crowding of crops in their gardens?

65. Apart from the lungs, what other organ does a frog use for breathing?

66. Name the part of a tooth that contains sensory nerves.

67. Write down the process that helps in the circulation of air in the house.

68. How is the equipment drawn below useful at a poultry farm?



69. State **one** form of energy which is produced when a drum is hit.

70. How is a rat similar to a cow in terms of reproduction?

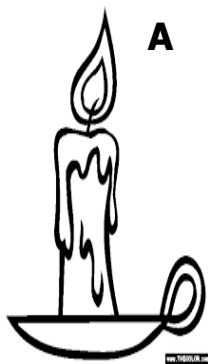
71. Why is it dangerous to apply sugar on a fresh wound on your skin?

72. Give a reason why a breast feeding mother should drink a lot of fluids.

73. What type of thermometer is used to measure both the highest and lowest temperatures of the day?

74. Give **one** factor which promotes quick breeding of bacteria.

The diagram below is of a burning candle. Use it to answer questions 20 and 21.



B

_____ **Z**

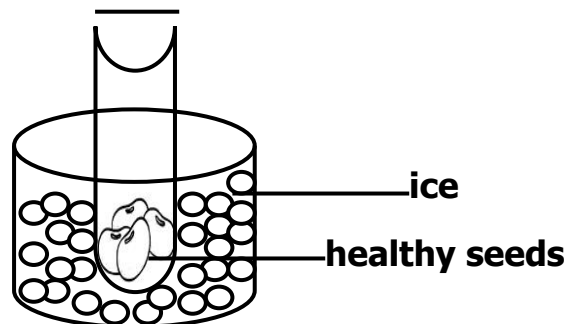
_____ **glass**

75. Name the component of air that keeps candle **A** burning.

-
76. Which plant process makes use of the gas produced at point **Z**?
-
77. Why does a chameleon keep changing its body colour from place to place as it moves?
-
-
78. In which way are geckos able to control the spread of malaria at home?
-
79. How are the stomata of leaves similar in function to the human lungs?
-
-
80. State **one** way of controlling soil erosion in hilly areas.
-
81. Why is it important for people to harvest water during the rainy season?
-
82. Give a reason why laying boxes in a poultry house should be kept in dark places.
-
83. State the first aid for a bite from a poisonous snake.
-
84. How is the body temperature of a bird different from that of a fish?
-
-
85. What advice would you give to a crop farmer to ensure that his garden soil has enough nitrogen?
-
86. How is the absence of iodine in the human body harmful to one's health?
-

87. Write **one** activity that a cattle farmer can do to improve on milk production in his Friesian cows.
88. Why is the liver an important organ of the human body?
89. What type of change occurs when a mango fruit rots?
90. Give **one** way in which a housefly is different from a spider.
91. Write down **one** problem that may be faced by a P.6 child who does not brush his or her teeth after a meal.
92. Decanted water is said to be clean water. Why are people discouraged from drinking it?
93. Give **one** advantage of proper prescription of a drug before using it.

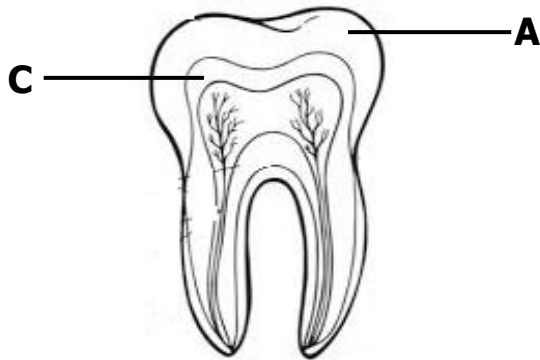
The diagram below shows an experiment on germination.



94. Why would the seeds in the experiment fail to germinate after 9 days?
95. Write down any **one** sign of Kwashiorkor in children.

SECTION B

96. The diagram below shows a molar tooth. Use it to answer the questions that follow.



(a) Name the parts marked with letters;

A _____

C _____

(b) How is the above tooth important during digestion of food?

(c) Give **one** way in which the above tooth is adapted to its function.

97. (a) Name any **two activities that a farmer does before planting seeds.**

(i) _____

(ii) _____

(b) Why are farmers encouraged to carry out crop rotation?

(c) How is wind useful to a cereal farmer who has harvested her crops?

98. (a) Name the type of chicken kept for the following purpose;

(i) Egg production _____

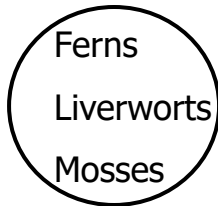
(ii) Meat production _____

(b) Write **two** exotic breeds of chicken kept for egg production.

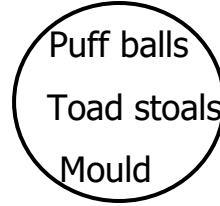
- (i) _____
- (ii) _____

99. Study the list of organisms below and answer the questions that follow.

List A



List B



- (a) Give **one** similarity between organisms in **list A** and those in **list B**.
- _____
- _____
- (b) How are organisms in **list A** different from those in **list B**.
- _____
- _____
- (c) Give **one** danger of organisms in **list B** to people.
- _____
- (d) How are conifers different from plants in **list A** in terms of reproduction?
- _____
- _____
100. (a) Write **one** example of diarrhoeal disease in people.
- _____
- (b) Give any **two** ways of protecting yourself from getting the above diseases.
- (i) _____
- (ii) _____
- (c) State any **one** way of caring for a sick person.
- _____
101. (a) Why is a cow regarded as a domestic animal?

(b) Name **one** domestic animal that is kept only for meat production and neither for milk nor for its skin.

(c) How do you care for such animals?

(i) _____

(ii) _____

102. (a) Name any **one** disease spread by the following agents to people.

(i) Mosquito _____

(ii) House fly _____

(iii) Rabid dog _____

(b) State any **one** way people in the community can control the spread of diseases by mosquitoes.

103. (a) In **one** sentence, give the meaning of the term transpiration.

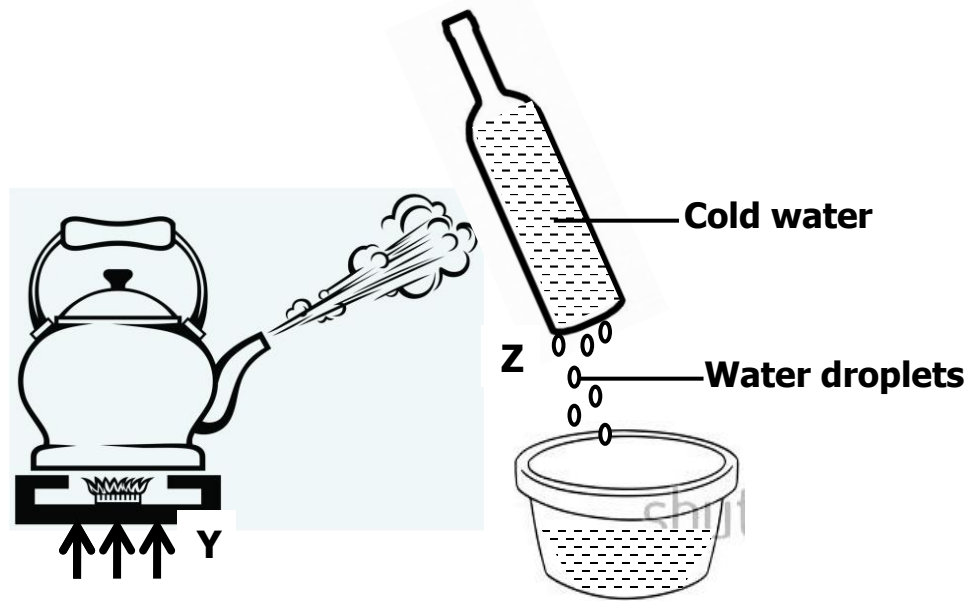
(b) Mention any **two** factors that can increase the rate of transpiration.

(i) _____

(ii) _____

(c) How is the process of transpiration useful in the environment?

104. Study the diagram below and answer the questions that follow.



- (a) What do arrows labelled with letter **Y** represent?
- _____
- (b) Name the physical process taking place at **Z**.
- _____
- (c) Why are the water droplets formed on the bottle?
- _____
- (d) Name the natural process represented by the above diagram.
- _____

105. Match the type of mammals in A with their examples in B.

- | <u>A</u> | <u>B</u> |
|---------------------|-----------------|
| (i) Primate | wallaby |
| (ii) Pouched mammal | bat |
| (iv) chiroptera | mouse |
| (v) rodent | monkey |
| (i) Primate | _____ |
| (ii) Pounced mammal | _____ |
| (iii) chiroptera | _____ |

(iv) rodent _____

106. (a) Apart from B.C.G vaccine, give any other **two** vaccines administered to babies.

(i) _____

(ii) _____

(b) Why is B.C.G vaccine administered to babies?

(c) What advice can you give to Mr. Lule whose child is suffering from measles?

107. (a) Mention any **two** features found on a child health card.

(i) _____

(ii) _____

(b) How is a child health card useful to health workers?

(c) How can a family participate in the immunization programme?

108. (a) Name any **two** components of blood.

(i) _____

(ii) _____

(b) State the importance of haemoglobin in blood.

(c) Give any **one** way we can increase the volume of blood in our bodies.

109. (a) State the digestive juice produced by the following organs.

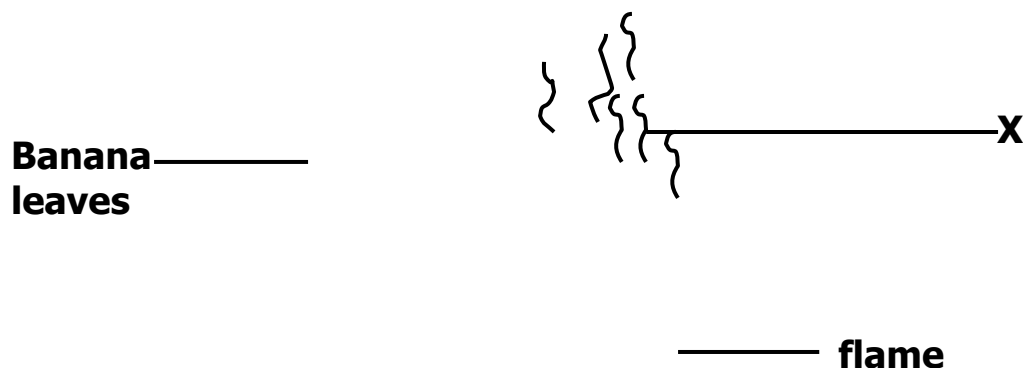
(i) Pancreas _____

(ii) Stomach _____

(b) Where does absorption of digested food take place in the alimentary canal?

(c) State **one** way of promoting the good working conditions of the digestive system.

The diagram below shows some food being cooked. Use it to answer question 55.



110. (a) Identify the fuel being used to cook this food.

(b) Which physical process is shown at **X**?

(c) Why should such food be wrapped with banana leaves?

(d) Give any **one** reason for cooking food before it is eaten.

PAPER 8

1. Name the types of soil suitable for making glasses.

2. To what group of flowering plants does sorghum belong?

3. Why are minerals grouped under non-renewable resources?

4. **The diagram below is of a bean seed.**



By use of an arrow, show the testa.

5. Write down **one** danger a weaning child may get.

6. State any **one** way a crop farmer can prevent destruction of his root crops by monkeys.

7. How do people in rural areas obtain their food?

8. How would a farmer protect his goats and sheep from bad weather?

9. Besides chicken, mention **one** other type of poultry kept in Uganda.

10. As a P.6 child, state any **one** activity that can help you avoid drugs of dependence.

11. Name any **one** recommended method of catching fish in Uganda.

12. State **one** activity that can be carried out to prevent the spread of diarrhoeal diseases at home.

13. **The diagram below shows an insect.**



By use of letter **X** , indicate the part used for communication.

14. Give **one** way of caring for wild animals?

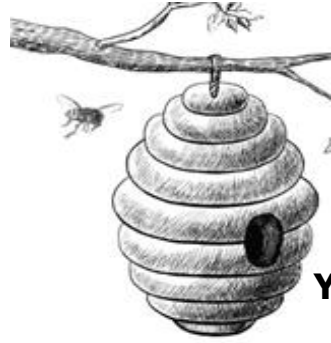
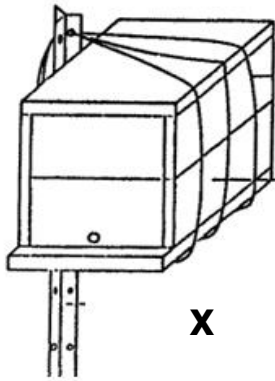
15. Name any **one** food stuff that is prepared by peeling.

16. How are reptile and fish similar in their way of reproduction?

17. In the space below, draw the molar tooth of an adult person.



The diagram below shows types of beehives. Use it to answer question 18.



18. Give **one** advantage of beehive **X** over **Y**.

19. In which state of matter does heat travel by conduction?

20. State any **one** activity done by a community to protect water sources from contamination.

21. Identify any **one** practice that controls the spread of diseases among rabbits.

22. How can a baby acquire Natural Immunity?

23. Why is cholera grouped under communicable disease?

24. Give **one** use of a basket as a garden tool.

25. Name **one** place where soil profile can be properly seen or observed by a class.

26. Change 20°C to °F scale.

27. Identify any **one** disease that people can mistake it for being **HIV/AIDS**.

28. How is a child health card important to a doctor?

29. How is a cassava plant propagated?

30. Why do farmers harvest cereal crops in the dry season?

31. Why is it advisable for pupils to iron their school uniform after washing them?

32. Give **one** reason why farmers castrate their young male pigs.

33. How does rotational grazing control the spread of tick borne diseases?

34. To which group of fruits does the fruit shown below belong?



35. Mention **one** habit that promotes oral health.

36. Give **one** use of electricity at school.

37. Give any **one** example of natural changes in the environment.

38. Identify any **one** disease of the respiratory system.

39. Why does sound travel fastest in solids?

40. State the best way of preventing the bad effects of measles among infants in Uganda.

SECTION B

41. (a) Give **two** examples of domestic animals.

(i) _____

(ii) _____

(b) Give any **two** characteristics of living things.

(i) _____

(ii) _____

42. (a) In one sentence , write the meaning of accidents.

(b) How is a burn different from a scald?

(c) As a P.6 child, what first aid would you give to a person who is burnt by porridge?

43. (a) Write **P.H.C** in full.

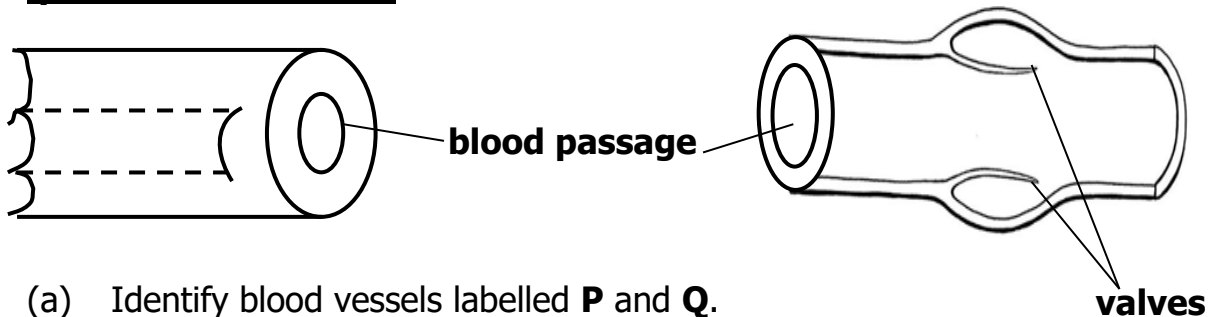
(b) Mention any **one** principle of **P.H.C.**

(c) Identify any **two** elements of **P.H.C.**

(i) _____

(ii) _____

44. The diagrams below show blood vessels. Use them to answer the questions that follow.



(a) Identify blood vessels labelled **P** and **Q**.

P _____

Q _____

(b) State the importance of valves in blood vessel **Q**.

(c) Give any **one** structural difference between **P** and **Q**.

45. (a) Who breastfeeds a child / baby at home?

(b) Give any **two** disadvantages of breast feeding to the mother.

(i) _____

(ii) _____

(c) Give **one** advantage of bottle feeding.

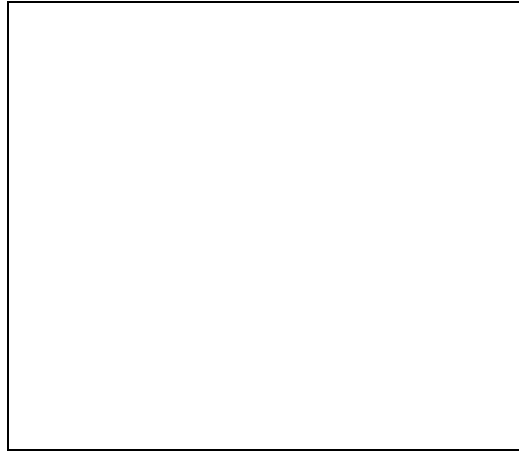
46. (a) Give **one** reason why people in Uganda keep cattle.

(b) Mention any **two** types of cattle.

(i) _____

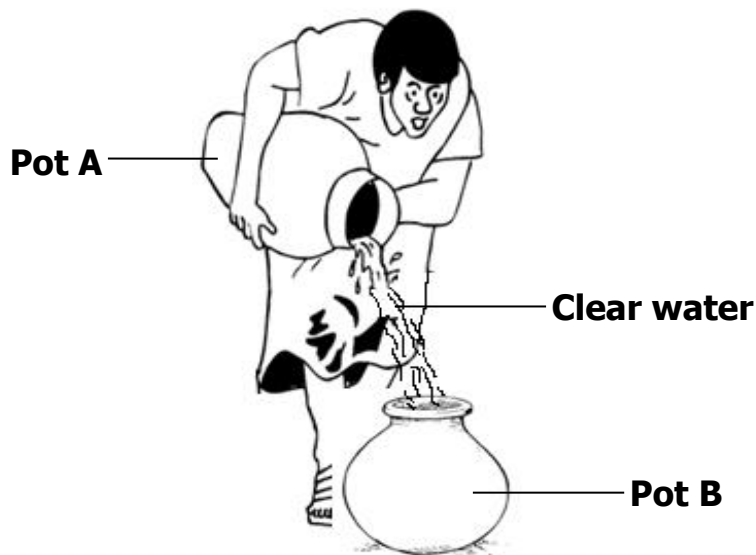
(ii) _____

(d) In the space below, draw the body shape of a typical dairy cattle.



47. Mark collected dirty water from a pond for the cows to drink.

He left the water to settle for some time and later poured off the clear water as shown in the diagram below.



(a) What method of preparing clean water is shown above?

(b) Why is the clear water obtained using the method in (a) above not safe for drinking?

(c) Give any **two** ways of making the water in Pot B safe for drinking.

(i) _____

(ii) _____

48. (a) How is heat different from temperature?

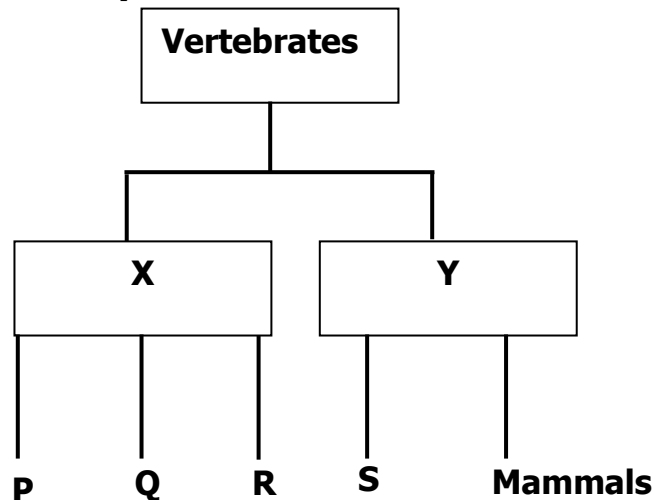
(b) State any **two** effects of heat on matter.

(i) _____

(ii) _____

(c) Why do telephone wires appear loose during sometimes of the day?

49. **Study the classification table below and answer the questions that follow it correctly.**



(a) Identify the group vertebrates in;

X _____

Y _____

(b) Name the group of vertebrates marked **S**.

- _____
- (d) Apart from being vertebrates, mention any other similarity among groups of organisms labelled **P** , **Q** and **R**.
- _____
- _____

50. (a) Name any **two** intestinal worm in children.

(i) _____

(ii) _____

(b) Give **one** way in which intestinal worms enter our bodies.

(c) Suggest any **one** way of preventing the spread of worms in children.

51. Match the disease in list A with their causes in list B.

- | | |
|---------------------|------------------------------------|
| (i) Night blindness | Lack of carbohydrates in the diet. |
| (ii) Kwashiorkor | Lack of Vitamin A in the diet. |
| (iii) Scurvy | Lack of vitamin C in the diet. |
| (iv) Marasmus | Lack of proteins in the diet. |

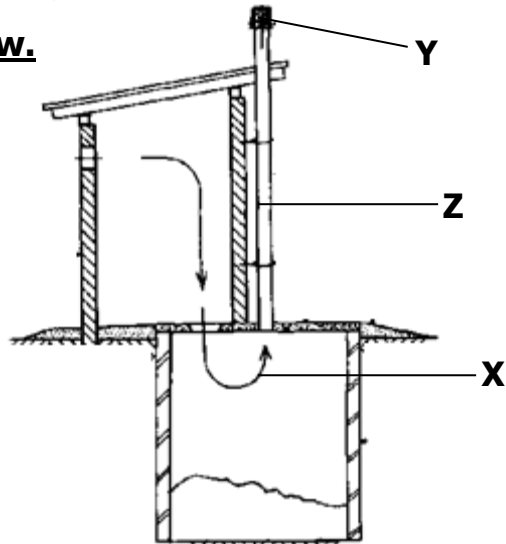
(i) Night blindness _____

(ii) Kwashiorkor _____

(iii) Scurvy _____

(iv) Marasmus _____

52. The diagram below shows a latrine. Use it to answer questions that follow.



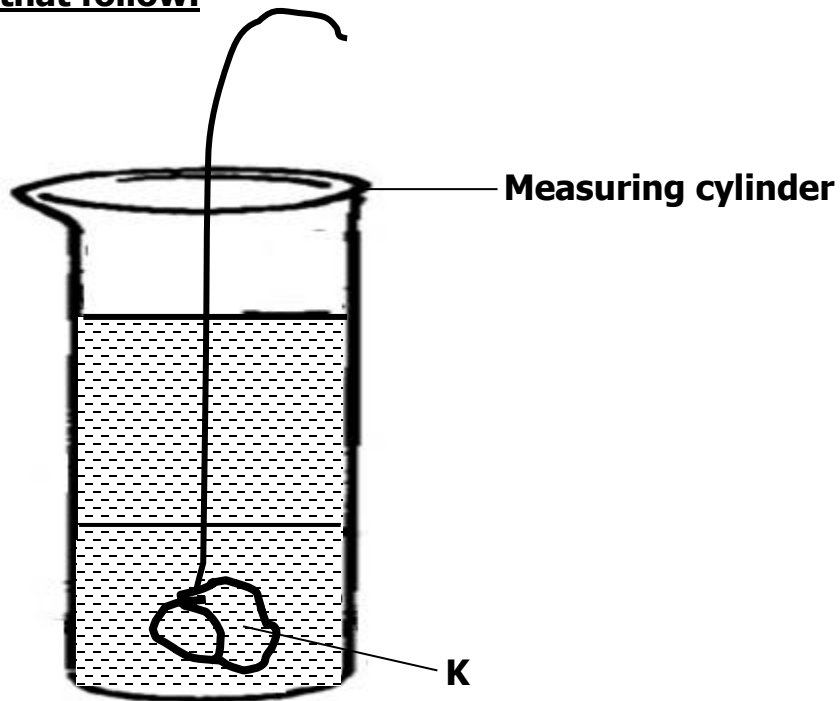
(a) Identify the type of latrine drawn above.

(b) What process is taking place at part labelled **X**?

(c) How does the above type of latrine control the spread of diarrhoeal diseases.

(d) State any **one** advantage of the above latrine over an Ordinary Pit latrine.

53. The experiment below was carried out by a P.6 class. Use it to answer questions that follow.

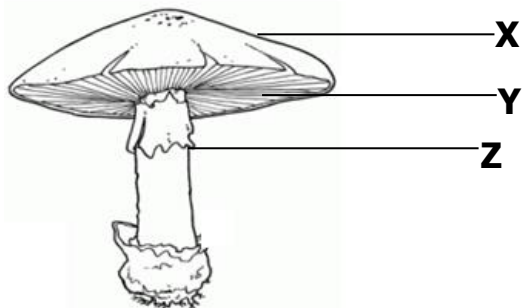


(a) Identify part **K**.

(b) Find the volume of **K**.

(c) Work out the density of **K** if its mass is 60gms.

54. The diagram shows a mushroom. Use it to answer the question 54.



(a) Name the part marked **X** and **Y**.

X _____

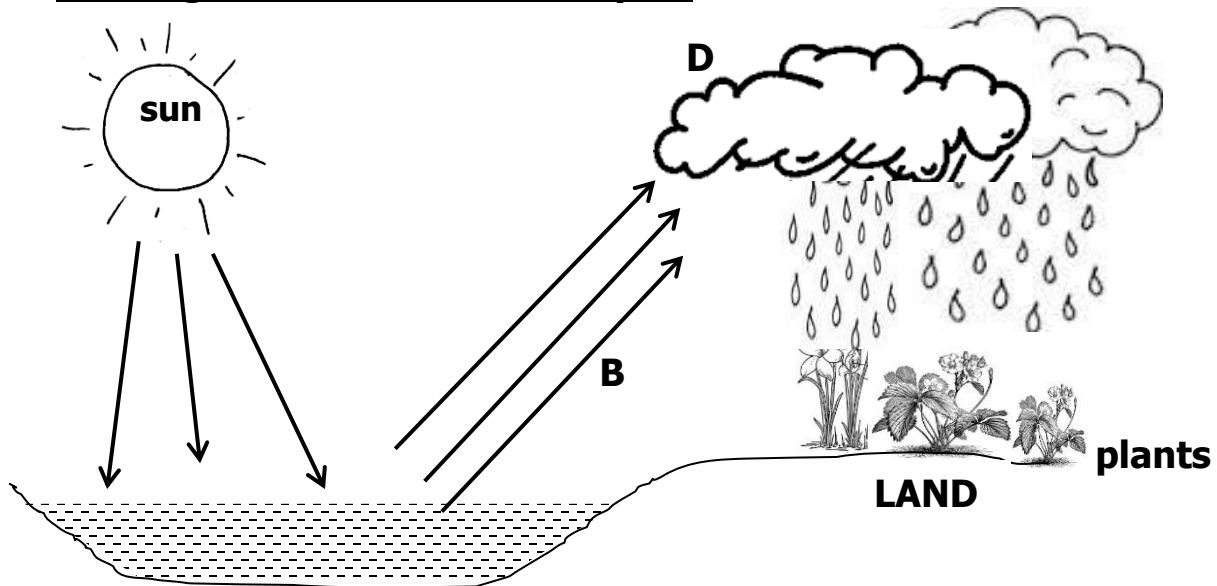
Y _____

(b) How does the above organism;

(i) reproduce? _____

(ii) feed? _____

55. The diagram below is of water cycle.



(a) Name the process labelled **B** and **D**.

B _____

D _____

(b) State the importance of the sun in the natural cycle above.

(c) How can you help in maintaining the above cycle in your environment?

PAPER 9

220. Give **one** body organ that helps a P.6 child to taste food.

221. How can soil erosion be controlled in a school compound?

222. State any **one** way in which water can be made safe for drinking at home.

223. Why is rusting considered to be a chemical change?

224. **The diagram below shows one of the traditional beehives.**



State any **one** disadvantage of using the above beehive.

225. How do farmers propagate irish potatoes?

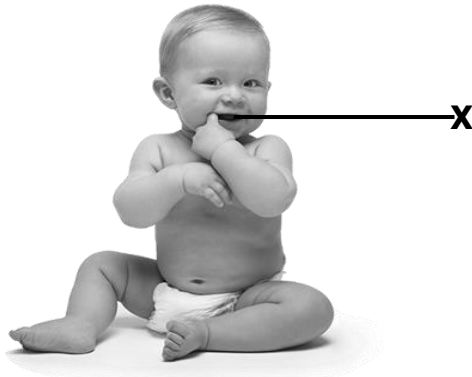
226. Give any **one** danger of rearing many chickens in a small poultry house.

227. How can an alcoholic parent affect children's education in a family?

228. In which **one** way is the spread of dysentery different from the spread of tuberculosis?

229. What is the best way for preserving apples?

Below is a picture of a baby showing one of the immunization sites.



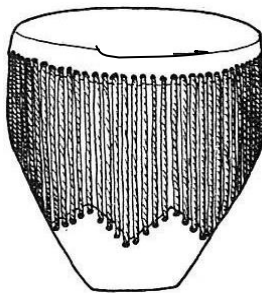
230. How is the vaccine administered through part **X** important to the baby?

231. State any **one** danger of wind in the environment.

232. Mr. Muwonge was advised by a doctor to eat more foods rich in iron. State the deficiency disease Mr. Muwonge was suffering from.

233. How does a spider depend on its cobweb to feed?

234. **The diagram below shows one of the musical instruments used for entertainment.**



Name the domestic animal from which part **A** is got.

235. Give the first step in washing clothes.

236. Why is a sugarcane not regarded as a stem tuber?

237. What happens to the volume of water when frozen?

238. Give any **one** use of grasshoppers to people.

239. How is a sickle useful to a cattle farmer who carries out zero grazing?

240. Give any **one** method of harvesting cassava.

241. Name **one** type of chicken.

242. State **one** way in which the reproduction of a bean plant is similar to that one of a pine tree.

243. How is the fertilization in birds different from that in amphibians?

244. Why do hyenas move in the same places with lions?

245. State any **one** way people can make good use of plant resources.

246. What is the main purpose of including legumes in the crop rotation cycle?

247. Identify the component of soil that helps to make soil.

248. Write **one** material used to make local salt.

249. Give any **one** advantage of using solar energy in our homes.

250. During the preparation of food, salt may be added. Give any one importance of the salt added to food.

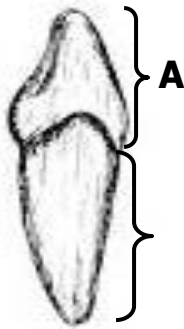
251. How does heat travel through gases?

252. Give **one** importance of a dust bin in a school.

253. How can you control mosquitoes in your bedroom?

254. Write any **one** economic importance of plant fibres.

The diagram below shows a tooth.



255. Name part labelled **A**.

256. How is plasmodia germs spread by female anopheles mosquitoes dangerous to the human circulatory system?

257. Anderson's body temperature is 38°C. What first aid can Anderson be given?

258. Give **one** way in which ticks affect the health of goats on a farm.

259. Name the male reproductive cell of a mammal.

SECTION B

260. (a) What is cannibalism as used in poultry management?

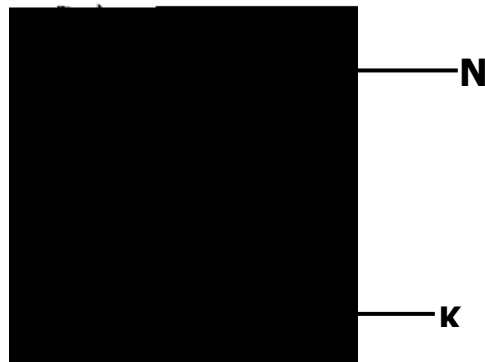
(b) Write down any **two** causes of the above poultry vice.

(i) _____

(ii) _____

(c) In which **one** way can the above vice affect the poultry farmer?

261. **The diagram below shows a flowering plant.**



(a) From what part of the seed does part **K** develop?

(b) What type of flowering plant is shown above?

(a) Name the method used above.

(b) Identify **one** impurity removed by using the above method.

(c) Use an arrow to show the residue.

(d) Give **one** danger of drinking water marked **L**.

265. (a) How do bacteria reproduce?

(b) Give any **one** way in which bacteria are;

(i) Harmful _____

(ii) Useful _____

(c) How can the presence of bacteria be controlled in our bodies?

266. **Match the items in A to those in B correctly.**

A

B

Mass

the space occupied by an object.

Weight

the force exerted on an object by gravitational force.

Volume

mass per unit volume.

Density

the quantity of matter in an object.

(a) Mass _____

(b) Weight _____

(c) Volume _____

(d) Density _____

267. (a) Apart from wind, give **one** other agent of seed dispersal.

(b) Write **one** characteristic of seeds dispersed by wind.

(c) Outline any **two** importance of seed dispersal.

(i) _____

(ii) _____

268. The following statements are wrongly arranged. Arrange them properly to explain how the volume of an irregular object can be obtained.

(a) A thread is tied to an irregular object.

(b) Volume is got by subtracting 1st level from 2nd level.

(c) An irregular object is then immersed in a measuring cylinder with water.

(d) The level of water rises from 1st level to 2nd level.

(i) _____

(ii) _____

(iii) _____

(iv) _____

269. (a) How is pitch different from volume in relation to sound energy?

(b) Mention any **two** factors that affect the pitch of sound.

(i) _____

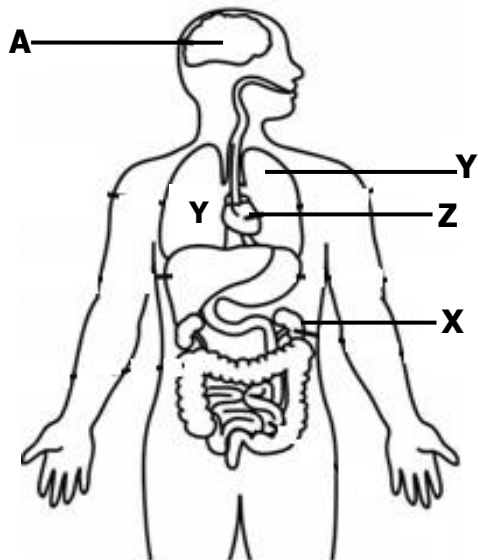
(ii) _____

(c) Write down **one** animal that uses echoes to locate its food.

270. (a) What is a balanced diet?

- (b) Write the deficiency disease associated with;
- (i) Lack of enough carbohydrates _____
- (ii) Lack of enough proteins _____
- (c) How can scurvy be prevented among children?
- _____

271. **The diagram below shows the human body organs.**



- (a) Name the body organs represented by

Y _____

X _____

- (b) In which **one** way is organ represented by letter **A** important to a child writing Examinations?
- _____

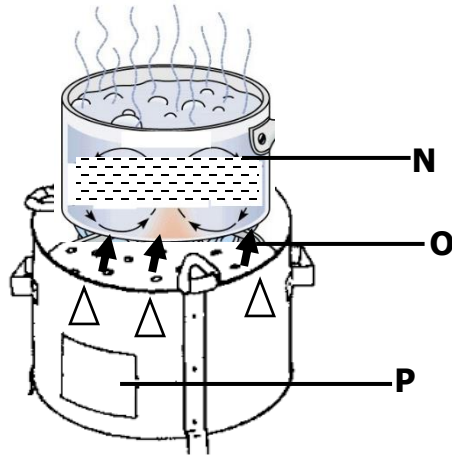
- (c) State the main function of organ **Z** in the body.
- _____

272. (a) Which type of honey bees is usually seen around flower gardens?

- (b) State any **two** things bees get from flowers.

- (i) _____
- (ii) _____
- (c) Give any **one** importance of bees to flowering plants.

273. **The diagram below shows heat transfer through matter. Use it to answer questions that follow.**



- (a) Name the circular movement marked **N**.

- (b) Name the source of heat used above.

- (c) Name the part of the charcoal stove that takes out warm air.

- (d) What can one do to reduce on the burning charcoal?

274. (a) Write down any **one** element of weather that favours maize harvesting.

- (b) How does a maize farmer benefit from the above element of weather in (a) above?

(c) Apart from the element of weather given in (a) above, mention any other **two** elements of weather that favour farmers' activities.

(i) _____

(ii) _____

PAPER 10

1. What name is given to the young one of a cat?

2. In which way can heat be useful to man?

3. State any one physical process involved in the formation of clouds.

4. Name the body organ which store information.

5. Why is a duck billed platypus called a mammal yet it reproduces by laying eggs?

6. State one way of preventing metals from rusting.

7. How is slashing around the compound help to control the spread of malaria.

8. What is extended family?

9. Which type of soil does do not keep water for long?

10. Give any one example of a nocturnal animal.

11. Name one body part where a thermometer is fixed to take the temperature.

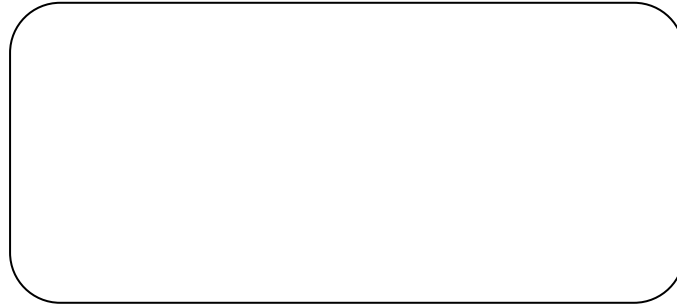
12. State one advantage of paddock grazing in goat keeping.

13. How is a tongue useful in the digestion process?

14. What happens to a plant if its planted in a vase in a dark room which has a small window to let in light.

15. Why should food kept for future use be properly covered?

16. In the space below draw a diagram to illustrate that heat travels through solids.



17. How can effects of floods be controlled in the environment?

18. Suggest one way of maintaining the digestive system in good working condition.

19. In which way can a poultry farmer control poultry diseases in the poultry house?

20. What activity can be done by a primary six boy in order to promote environmental sanitation?

21. What is friction?

22. Why teeth should be brushed after a meal.

23. How is castration important in live stock farming?

24. Name the type of family shown below.



25. What type of change occurs when a leopard dies of an illness?

26. How do some plants reduce the rate of transpiration?

27. How can wind be useful I environment?

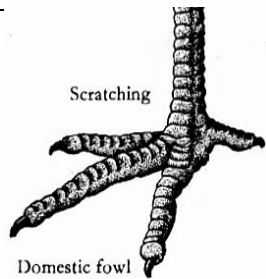
28. Give a reason why a nurse shakes thermometer before taking the temperature reading.

29. Identify any one product from a Marino sheep.

30. Name any one soil pollutant.

31. How can water promote personal hygiene??

32. Study the diagram of a bird's foot and answer the questions that follow.



33. What do bird's with such kind of foot feed on?

34. What are enzymes?

35. Apart from having a latrine , name any one other item a healthy home should have.

36. Give one way conduction of heat is applied in our daily life.

37. State one advantage of biological changes in the environment.

38. How does a plant in the diagram below get support in order to get enough sunlight?



39. How does planting trees control soil erosion in the compound?

40. Name one material used for making composite manure.

SECTION B

41. a) Define volume of an object.

b) How can volume of an irregular object be found?

c) List down any two examples of irregular objects.

i. _____

—

ii. _____

—

42. a) State any two characteristics of living things.

i. _____

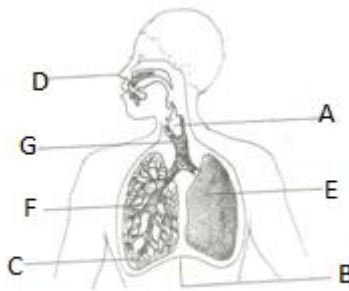
ii. _____

b) Name any two major groups of living things.

i. _____

ii. _____

43. Study the human body system below and answer questions that follow;



a) Name the parts labeled G and F.

i. G _____

ii. F _____

b) To which system of the body does the diagram belong?

c) State one bad health practice that may affect proper functioning of the system.

44. a) Which component of air is used by plants to make food?

b) Other than the above component you have named above, name any two other components of air.

c) How does planting of many trees in environment help to reduce the component named in 44(a) above?

45. a) Name any one product got from poultry farming.

b) How is poultry farming important to a baking industry?

c) Why is it not advisable to keep turkeys together with chicken in the same room?

d) Write down any one disease of poultry.

46. a) What is dehydration?

b) State any two causes of dehydration.

i. _____

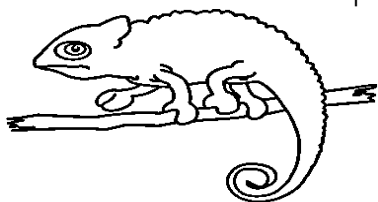
ii. _____

c) Suggest one way you can prevent one from becoming gges1f136.16 293

PAPER 11

- Name the best soil for growing crops.
 - State the function of gills on a mushroom.
 - How is a spur useful to a cock?
 - Give any one property of air.
 - Name the organisms found in root nodules of legumes.
- Use the diagrams below of blood vessels to answer questions 6 and 7.

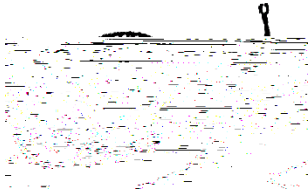
- [illegible]



10. Name any **one** organ damaged by excessive alcoholism.
11. Give any **one** example of an essential drug.
12. Give any **one** way bacteria are useful in the environment.

13. Why is clay soil able to retain water much longer than any other type of soil?
À ""À Á À Á À Á À Á "À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 14. Give any one way of maintaining soil fertility.
À Á À Á À Á "À ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 15. Why is water called a universal solvent?
À Á À Á À Á "À ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 16. Write one way we can save electricity at home.
À Á À Á À Á "À ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 17. Give any one example of an annual crop.
À Á À Á À Á "À ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 18. Which type of energy is possessed by a leaf falling from a tree?
À Á À Á À Á "À ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 19. Name the substance that exists in the three states of matter.
À Á À Á À Á "À ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 20. Give the standard units for measuring mass.
À Á À Á À Á "À ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 21. Give a reason why sugar dissolves in water.
À Á À Á À Á "À ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 22. Mention any one method of harvesting crops.
À Á À Á À Á "À ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 23. Why is salt added to food during cooking?
À Á À Á À Á À Á ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 24. Mention any one sign of dehydration in babies.
À Á À Á À Á "À ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 25. Name any one method of making alcohol.
À Á À Á À Á "À ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 26. Why do houseflies lay their eggs in decaying matter?
À Á À Á À Á À Á ""À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á À Á
 27. In the space below, draw a red blood cell.

28. Write any **one** method of storing sound.
 29. Apart from a drum, give any other example of a percussion musical instrument.
 30. Name any **one** disease spread through poor sanitation.
 31. Name the mollusc in the diagram below.



32. Give any **one** example of a liquid that floats on water.
 33. Why do we cook food before eating it?
 34. Write ORS in full.
 35. How does heat travel through solids?
 36. State any **one** cause of road traffic accidents in Uganda.
 36. Give any **one** advantage of breast feeding to a woman.
 37. State any **one** danger of having too much wax in the ears.
 38. State any **one** danger of too much sunshine in the environment.
 39. Give any **one** use of a vacuum flask at home.
 40. Mention any **one** good eating habit.

EB : (60 **M**)

41. A patient was given a packet of drugs labelled with information as shown in the diagram below. Use it to answer the questions that follow.



- (a) What name is given to such information written on a packet of drugs?

A A

- (b) Give any **2** reason why such information is important to patients.

- (c) How many times a day is the patient supposed to take the drug?

- (d) The patient took the drug in the morning, for how many hours should the patient wait before taking the drug again?

42. (a) What is immunity?

- (b) Name the type of immunity acquired through;

- i) recovery from illness

- ii) immunization

- (b) Give any **one** example of an immunisable diseases.

43. (a) What are chemical changes?

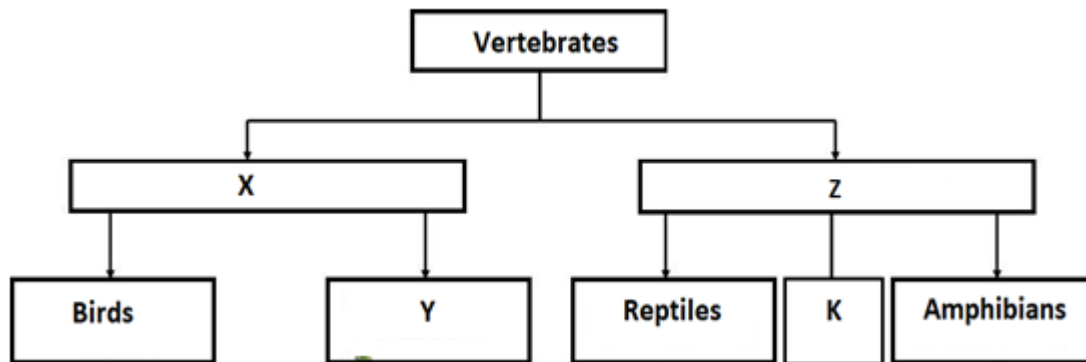
(b) Give any **01** characteristic of chemical changes.

(c) Give any **02** examples of chemical changes.

i) _____

ii) _____

44. The chart below shows classification of vertebrates. Use it to answer the questions that follow.



a) Which group of animals is indicated by letters;

i) X _____

ii) Y _____

b) Give any **01** characteristic of animal in K.

c) Mention any **01** example of an amphibian.

45. (a) State any **02** effects of heat gain on matter.

i) _____

ii) _____

(b) Give any **02** ways in which a people use heat.

i) _____

ii) _____

46. a) Why is a cassava plant called a root tuber?

À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

b) Apart from cassava, give any **tw** other examples of root tubers.

i) À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

ii) À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

c) Give any **o** disease which affects cassava plants.

À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

47. UŁ;]j Y'h\Y'a YUb]b['cZ'h\Y'hYfa 'D\YfgcbU`'\m[]YbYŃ

À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

b) Give any **tw** ways of promoting personal hygiene.

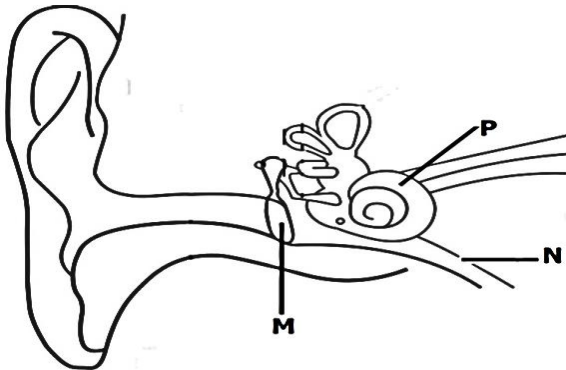
i) À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

ii) À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

c) Name any **o** item used to promote good personal hygiene.

À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

48. The Study the diagram of the human ear below and use it to answer the questions that follow.



a) Name the parts marked M and P.

i) M À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

ii) P À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

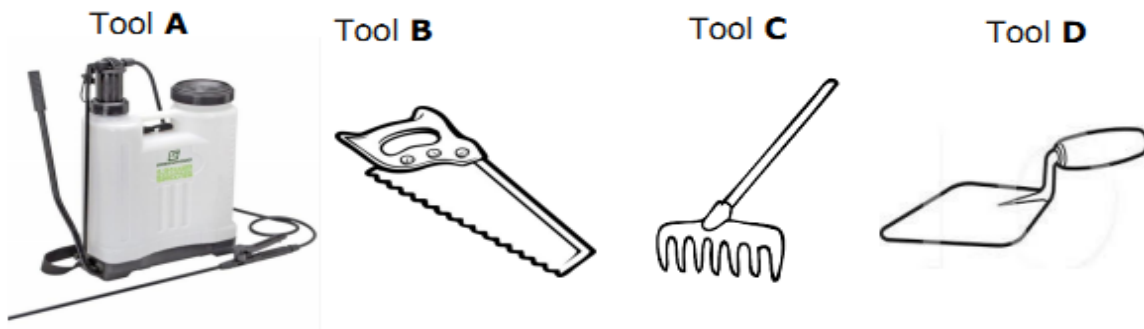
b) Give the function of the part marked N.

À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ ß à á â ã

c) Use letter B to show the part of the ear responsible for balancing the body.

51. Below are garden tools. Identify a correct statement from the list below to show the use of each tool to a farmer.



- | | |
|------------------------|-----------------------------|
| For collecting rubbish | For transplanting seedlings |
| For spraying crops | For cutting tree stumps |
| For turning manure | For cutting tree branches |

a) Tool A

Å Å Å Å Å Å Å Å Å Å "Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å

b) Tool B Å Å Å Å Å Å Å Å Å Å "Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å

c) Tool C Å Å Å Å Å Å Å Å Å Å "Å Å Å Å Å Å ""Å Å ..Å Å Å Å Å Å Å

d) Tool D Å Å Å Å Å Å Å Å Å Å "Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å

52. a) Write down **tw** exotic breeds of goats kept in Uganda.

i) Å

ii) Å

b) How long is the gestation period of a nanny?

Å Å Å Å Å Å Å "Å Å

c) Give any **o** way of caring for a pregnant goat.

Å Å Å Å Å "Å Å

53. a) Name the component of air used for;

ii) respiration: ""Å Å

PAPER 2

1. What name is given to the reflected sound?

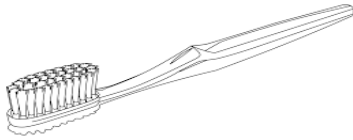
2. Give any **one** characteristic of living things.

3. State the importance of canine tooth to carnivorous animals.

4. Name the best food for babies below six months.

5. Which vaccine is immunized to infants against tuberculosis?

6. Name the item used to promote sanitation drawn below.



7. How is the above item used by people to promote personal hygiene?

8. Name the habitat of earth worms.

9. Which invertebrate lives in the human alimentary canal?

10. How does a snake move from one place to another?

11. How are teeth important during digestion of food?

12. Name any **one** example of an intestinal worm in human beings.

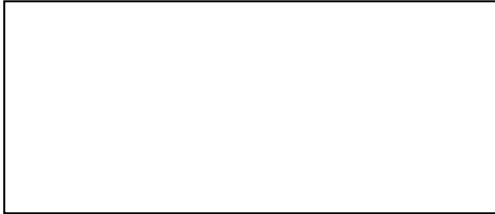
13. Why can't a feather sink in water?

14. Identify any **one** vulnerable group of people in your community.

15. Name any **one** device used to store sound.

16. Identify the transport system of the human body.

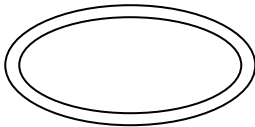
17. In the space below, draw the structure of a feather that covers the chick's body



18. State the importance of ventilation on a living house for people.

19. Name any **one** natural source of sound in the environment.

20. State the function of the blood cell drawn in the diagram below



21. What food value is got from eating legumes?

22. Identify the type of soil with the highest capillarity.

23. Mention any **one** solute used in the making of ORS.

24. Name any **one** weather instrument.

25. Name the instrument used to detect body temperature.

26. How is sound energy produced?

27. Give any **one** example on an amphibian.

28. Which body organ filters blood?

29. Give any **one** use of feathers to birds.

30. Mention any **one** bird with the foot in the diagram.



31. Name part marked **B** on the foot above.

32. Give any one characteristics of insects.

33. Name any **one** common disease at home.

34. State any **one** sign of soil erosion in an area.

35. Name **one** reproductive cell in flowering plants

36. What is a cell?

37. Why do people drink alcohol?

38. Which body organ balances the body in its right posture?

39. Give the difference between mass and weight.

40. State any **one** crop growing practice.

SECTION B: 60 MARKS

41. (a) Give any **two** characteristics of mammals

(i) _____

(ii) _____

(b) Give **two** differences between mammals and birds

(i) _____

(ii) _____

Study the diagrams below about states of matter and answer question 42.



A



B



C

42. (a) Name the state of matter marked **B** and **C**.

(i) **B** _____

(ii) **C** _____

(b) Which substance makes up the state of matter **B** above?

(c) How does heat travel through the state of matter marked **C**

43. (a) Name any **two** types of birds found in our environment.

(i) _____

(ii) _____

(b) Why are birds grouped as warm blooded?

(c) Apart from birds, name the other group of warm blooded vertebrates.

44. (a) Who is a casualty?

(b) Give any **two** reasons for giving first aid to casualties.

(i) _____

(ii) _____

(c) Name the first aid material drawn below.

(i) **X** _____

(ii) **Y** _____

51. (a) Give any **two** types of weather

(i) _____

(ii) _____

(b) Name the weather condition that favours winnowing of cereals.

(c) How is a rain gauge useful to a crop farmer?

52. (a) How does sound move?

(b) Why can't sound travel through a vacuum?

(c) In which state of matter does sound travel fastest?

53. (a) Give any **two** reasons why farmers rear chicken.

(i) _____

(ii) _____

(b) Mention any **two** types of chicken reared by farmers.

(i) _____

(ii) _____

54. (a) Mention any **two** pests which attack crops in the garden.

(i) _____

(ii) _____

(b) Give any **one** way in which pests are dangerous to crops.

(c) How can a farmer control pests in the garden?

55. Moses observed a mango fruit using the **five** senses as shown below. Fill in the missing information.

| Observation | Sense | Body structure used to observe |
|--------------------------|---------|--------------------------------|
| smooth surface | touch | i) skin |
| Fruity | smell | (i) _____ |
| Red colour | sight | (ii) _____ |
| Makes sound when dropped | hearing | (iii) _____ |
| Sweet | taste | (iv) _____ |

PAPER 13

1. Name **one** vector which is involved in the 4Fs disease path.

2. Why are farmers encouraged to clean the habitats of their domestic animals?

3. How are blood vessels important in the body?

4. State one way of controlling tape worm infestation in humans.

5. Give any **one** example of a non-renewable resource.

The diagram below shows a garden tool, use it to answer questions 6 and 7.



6. Name the garden tool shown in the diagram above.

7. State any one way of caring for garden tools.

8. Which type of energy is possessed by bat in flight?

9. Name any one animal fibre.

10. Mention any one economic importance of rearing bees to people.

11. Why is a rabbit grouped under mammals?

12. Apart from sugar, name any other substance used to make Oral Rehydration Solution.

13. Mention one farming practice used by crop farmers to maintain soil fertility.

Below is a diagram of a bird's beak. Use it to answer questions 14 and 15.



14. Name the type of food eaten by the birds.

15. How is the above bird adapted to its mode of feeding?

16. State any one way in which a latrine is useful in a home.

17. Name the component of blood which is destroyed by HIV.

18. Give any one factor which favours the breeding of bacteria.

19. How can people in the community control the spread of water borne diseases?

20. State one difference between a mosquito and a spider.

21. Where does gaseous exchange take place in the human body?

22. What do we call the number of vibrations produced by an object per second?

23. What is the importance of ventilators on a house?

24. Give any one example of a root tuber.

25. How can poultry farmers control cannibalism on their farms?

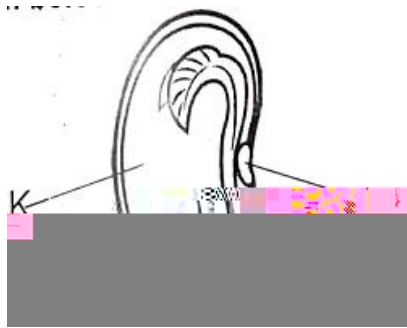
26. Which weather instrument is used to measure the speed of wind?

27. Write one danger of drought in the environment.

28. How is the larva of a housefly useful to people?

29. State one sanitary activity that children can do to keep the school compound clean.

The diagram below shows a bean seed. Use it to answer questions 30 and 31.



30. Name part marked with letter K.

31. How is part marked Y useful to the seed during germination?

32. Mention any one factor one should consider when selecting a site for a house.

33. Give any one physical process that helps in rain formation.

34. In which way are termites dangerous to crop farmers?

35. Which part of the human ear helps the body to balance?

36. State any one reason why loam soil is good in crop growing.

a) Name part marked with letters.

i) B _____

ii) C _____

b) Which part does a fish use to protect itself from enemies?

c) Give any one use of fish to people.

47. a) Write any two duties of a worker bee in a hive.

i) _____

ii) _____

b) Apart from worker bees, name any other type of bees in the hive.

d) How can apiarists prevent their bees from swarming?

48. a) How is each of the following crop harvested?

i) Cassava. _____

ii) Coffee. _____

b) Mention any two ways of controlling crop pests in a garden.

i) _____

49. Give the meaning of each of the following terms

i) drug abuse.

ii) drug misuse.

b) State any one effect of drug dependence to an individual.

d) How can you help you friend who smokes to stop the habit?

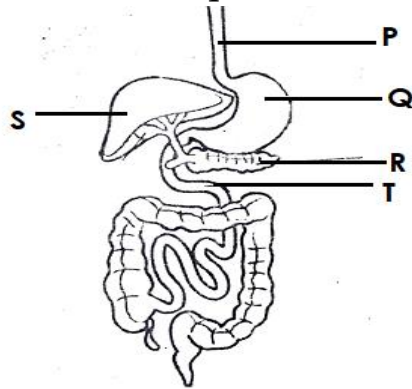
50 a) Give the meaning of the word immunity.

b) Give two ways in which a child can acquire immunity.

i) _____

e) Give any one way in which a person's body immunity can be increased.

51. The diagram below shows part of the digestive system in humans. Use it to answer the questions that follow.



a) Name the parts marked:

i) P _____

ii) Q _____

b) Give the digestive juice produced by part marked S.

c) How can you maintain the proper working of the system shown in the diagram?

52. a) Write one method of meaning alcohol.

b) State any two reasons why some people drink alcohol.

i) _____

ii) _____

c) Mention one medical instrument which uses alcohol to function.

53. a) In the space provided below, draw the following musical instruments.

| Percussion musical instrument | String musical instrument |
|-------------------------------|---------------------------|
| | |

b) Mention any one method of storing sound.

c) Give any one factor which affects the pitch of sound.

54. a) Give two examples of exotic breeds of cattle.

i) _____

ii) _____

b) How are draught cattle useful to farmers?

c) State one way of controlling internal parasites in cattle.

55. a) Which term is used to describe the loss of water and mineral salts from the body?

b) Mention any two signs of the above condition.

i) _____

ii) _____

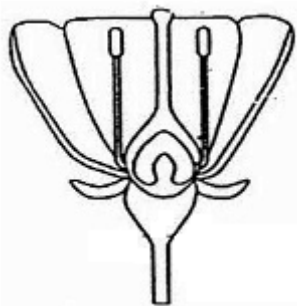
c) What advice is given to a friend who has the above condition?

1. Name **one** item used for sweeping.

2. Mention any **one** member of a nuclear family.

3. Apart from use of chemicals, give any other way of controlling pests in a garden

The diagram below shows parts of a flower.



4. Show with an arrow and letter **P** the part of the flower which attracts pollinators?

5. State any **one** importance of transpiration to plants.

6. How important is nitrogen to legumes?

7. Apart from the eggs, mention any other dormant stage in the life cycle of a butterfly.

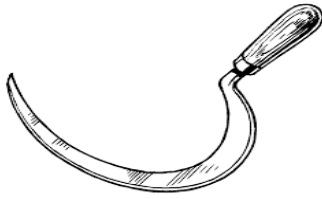
8. What are the standard units for measuring mass?

9. Give any **one** way of keeping the body clean.

10. How do mulches help to control the growth of weeds in a garden?

11. Give any **one** example of an annual crop.

12. **The diagram below shows a garden tool.**



State the use of the garden tool above to farmers.

13. Mention one exotic breed of goats that provides people with mohair.

14. Give any **one** way an apiarists can control the swarming of bees.

15. Apart from killing germs, how else is hydrochloric acid important in the stomach?

16. Why can't a spider be trapped by its own cobweb?

17. Give any **one** way AIDS can be spread from one person to another.

18. Mention any one play material made from banana fibres.

19. Write P.H.C in full.

20. **The diagram shows a root system.**



Mention the type of root system shown in the diagram above.

21. How is the heart of a bird different from that of a reptile?

22. State any **one** danger of plastics in the environment.

23. Write down any **one** danger of plants.

24. What does it mean to classify animals?

25. State any **one** sign of a compound fracture.

26. What type of change is the boiling of an egg?

27. Why does a plant die when salty water has been poured on its roots?

28. Mention the source of papyrus used in making mats

29. How do birds keep their feathers clean and smooth?

30. State any one importance of the sun to the environment.

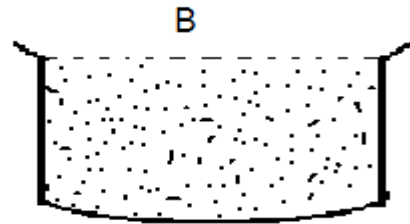
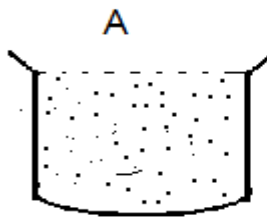
31. Mention the food value obtained from eating honey.

32. In which season do farmers irrigate their crops?

33. What germ causes haemophilus influenza b?

34. How does keeping fish in a pond help to control malaria in a home?

The diagram below shows two containers with hot water.



35. Which of the **two** containers has more heat?

36. Give a reason for your answer in 35 above.

37. Give any **one** importance of rain to crops.

38. Mention any **one** group of people considered to be vulnerable.

39. Which property of air enables a person to suck soda with a straw?

40. How is culling different from vaccination?

SECTION B

41. (a) Name any **one** communicable disease caused by a fungus.

(b) State the body organ affected by the disease mentioned above

(c) Give **two** ways of preventing the spread of the disease mentioned in 41(b) above.

(i) _____

(ii) _____

42. (a) What is seed dormancy?

(b) Give any **two** factors that may cause seed dormancy.

(i) _____

(ii) _____

(c) How important is water during seed germination?

43. In the table below, part A shows body organs in the body. Part B shows functions of organs in their wrong order.

| A: ORGAN | B: FUNCTION |
|-----------------|---|
| a. Liver | Balances the level of water in the body |
| b. Kidney | Stores irons |
| c. Heart | Excretes carbon dioxide |
| d. Lungs | Pumps blood in the body |

Select from the table the correct function and write in the space provided below.

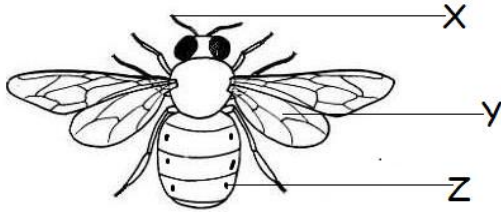
a. Liver: _____

b. Kidney: _____

c. Heart: _____

d. Lungs: _____

44. **The diagram below shows an insect. Use it to answer question 44.**



(a) Name part marked X

(b) State the function of part Z to an insect.

(c) Which part of an insect balances it when flying?

(d) Give any **one** characteristic of insects.

45. (a) Apart from cassava and beet roots, give two other examples of root tubers.

i. _____

ii. _____

(b) Mention any **one** viral disease of cassava.

(c) Give any **one** way cassava is harvested.

46. **The diagrams below show types of teeth. Use them to answer the following questions.**



S



T

(a) Name the types of tooth marked **S** and **T**

S _____

T _____

(b) State the functions of the tooth marked **S** and **T**

S _____

T _____

47. (a) What causes ear canker?

(b) Apart from ear canker, mention two other diseases of rabbits.

i. _____

ii. _____

(c) Name any **one** exotic breed of rabbits kept in Uganda.

48. (a) What do we call the act of suckling milk from the breasts?

(b) State **two** advantages of a baby suckling milk from its mother's breasts.

i. _____

ii. _____

(c) Give any **one** disadvantage of a baby suckling milk from its mother's breasts.

49. (a) What is photosynthesis?

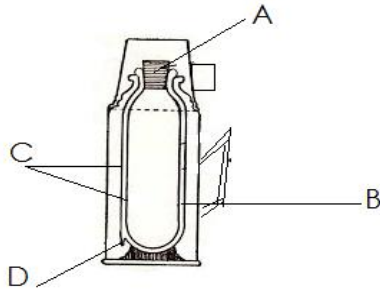
(b) Mention **two** raw materials needed by plants during photosynthesis.

i. _____

ii. _____

(c) Give any **one** way in which plants use starch made during photosynthesis.

The diagram below shows a **thermos flask**. Use it to answer question **50**.



50. (a) Name parts labeled **B** and **D**

- i. **B:** _____
- ii. **D:** _____

(b) Mention any **one** material from which part C is made.

(c) Why is part **A** made out of an insulator?

51. (a) Give any **two** way vectors spread germs that cause diseases.

- (i) _____
- (ii) _____

(b) Mention any **two** diseases whose germs are spread by vectors.

- (i) _____
- (ii) _____

52. Vertebrates are animals with a backbone.

Mention **four** classes of vertebrates.

- i. _____
- ii. _____
- iii. _____
- iv. _____

53. (a) Give **two** ways soil loses its fertility

- (i) _____

(ii) _____

(b) Mention **two** ways of preventing soil from losing its fertility.

i. _____

ii. _____

54. (a) Name any **one** place where bacteria are found.

(b) Give **two** ways in which bacteria are useful in the environment.

i. _____

ii. _____

(c) What name is given to the substances that kill/prevent the growth of bacteria?

55. Below are poorly arranged steps of separating a mixture of sand and salt.

Arrange them correctly.

a. Stir until all the salt dissolves

b. Boil the salt solution to dryness

c. Put the mixture in a container and add water.

d. Filter the mixture.

Correct steps.

a. _____

b. _____

c. _____

d. _____

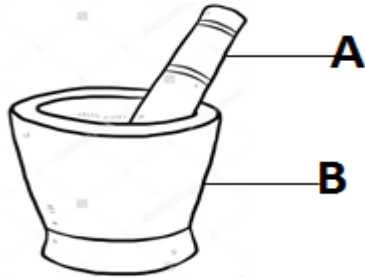
PAPER 14

1. Name any **one** play material made from banana fibres.

2. State any **one** effect of alcoholism to a community.

3. Why are babies grouped under vulnerable groups of people?

4. **The diagram below shows a tool used at home.**



Name part marked B

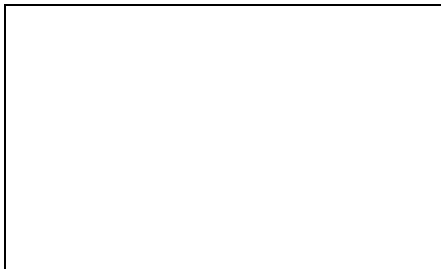
5. State what would happen if a clinical thermometer is sterilized by boiling.

6. How are foliage leaves useful to an onion?

7. Write **one** way you would reduce egg eating on a poultry farm.

8. State any **one** danger of silting to aquatic animals.

9. **Draw a diagram to show that air has weight.**



10. Why is it a good practice to wear shoes especially when walking outside the house?

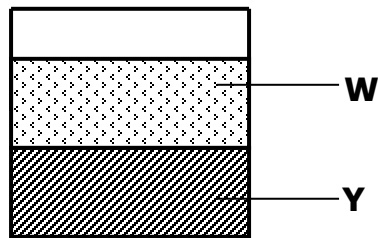
11. Which disease of the eyes is spread by a housefly?

12. State any **one** characteristic of physical changes.

13. How does over-grazing affect the soil?

14. Which water borne disease affects the liver resulting to liver cancer?

A boy put water and oil in a container as shown below.



15. Name the liquid marked **Y** in the diagram.

16. How is millet and sorghum propagated?

17. Give any **one** difference between a toad and a frog.

18. Mention any **one** factor you would consider before selecting a site for house.

19. How are children in a family protected against any deficiency disease?

20. Give **one** function of the human kidney.

21. Name the garden tool drawn in the diagram below.



22. State any **one** use of the above garden tool to a farmer.

23. Write **PIASCY** in full.

24. Write any characteristics of essential drugs.

25. Give any **one** way babies acquire natural immunity.

26. Identify any **one** danger of sharing your handkerchief with another person.

27. Why are schools encouraged to have a school garden?

28. How does malaria affect the circulatory system?

29. Name the type of pollination illustrated below.



30. Give any **one** example of a stem tuber.

31. Give any **one** example of a crustacean.

32. How can a crop farmer reduce overcrowding of plants in a garden?

33. Which type of energy is possessed by water at 100°C?

34. How does the cork on a vacuum flask help to prevent heat gain or loss?

35. **The diagram is a common legume store found in rural areas of Uganda.**



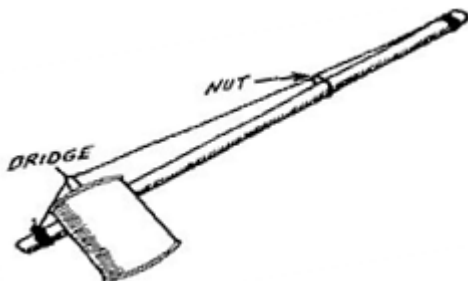
Name the legume store above.

36. As a farmer, how would you protect your metallic tools from getting rusty?

37. Write any **one** message that may be said to children during a health parade.

38. How has the government of Uganda helped in the control of tuberculosis?

39. To which group of musical instruments does the instrument drawn below belong?



40. How is the use of natural fertilizers friendly to the environment?

SECTION B

41. A farmer kept one goat and one rabbit in different houses. He used to put different types of food in their houses. He recorded the number of times they ate each food as shown below.

| Animal | Sweet potatoes | Cassava leaves | Sorghum leaves | Grass | Maize leaves | Banana leaves |
|--------|----------------|----------------|----------------|-------|--------------|---------------|
| Rabbit | 4 | 2 | 0 | 2 | 2 | 2 |
| Goat | 3 | 1 | 1 | 3 | 3 | 2 |

(a) What was the most favourable food for the;

(i) Rabbit_____

(ii) Goat_____

(b) What was the least favourable food for the rabbit?

(c) If the farmer was to use only one type of food, which one would be the most favourable for both the goat and the rabbit?

42. (a) Apart from carbon dioxide , name any **two** parts of air.

(i) _____

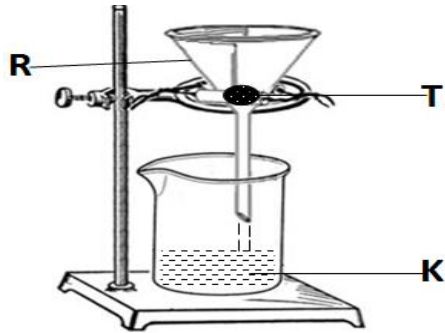
(ii) _____

(b) Give any **two** uses of carbon dioxide to people.

(i) _____

(ii) _____

43. A P.6 class at Summit primary school collected water from a well. They first boiled it before carrying out the experiment below.



- (a) Identify the method that was being used to clean the water.

.

- (b) What scientific name is given to the substances labeled **T** and **K**?

T _____

K _____

- (c) Why would you encourage any child in P.6 who is thirsty to drink the water labeled **K**?

44. (a) Give the element of P.H.C responsible for;

(i) Controlling of over population _____

(ii) Controlling of bad body odour _____

(iii) Controlling killer diseases among children _____

- (b) Write **one** activity you can do to promote PHC in school.

45. The diagram below shows a bird's head. Use it to



- (a) What kind of food is eaten by the bird in the diagram?

(b) To which group of birds does it belong?

(c) Name any **one** bird that has a beak like the one drawn above.

(d) State any **one** danger of the bird you have named in (c) above to people.

46. (a) Which first aid is administered by applying cold water on the affected part?

(b) Give the use of the following in first aid management.

(i) Cotton _____

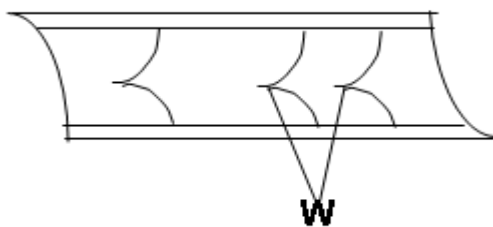
(ii)

Bandage _____

—

(c) What first aid can you give to a young child who has swallowed rat poison?

47. The diagram below shows structure of a blood vessel. Use it to answer questions that follow.



(a) Name the type of blood vessel drawn above.

(b) Give a reason why blood carried by the above blood vessel flows at a low pressure.

(c) Give the importance of structures marked **W** in the blood vessel above.

(d) Using arrows () show the direction of the flow of blood in the blood vessel above.

48. Match the items in list A with those in list B correctly.

| | |
|-----------|-------------------------------|
| Chameleon | external fertilization |
| Kangaroo | camouflages for defence |
| Whale | pouch for carrying young ones |
| Tilapia | layer of fats (blubber) |

(i) Chameleon

(ii) Kangaroo

(iii) Whale

(iv) Tilapia

49. (a) What is near drowning?

(b) State any **one** cause of near drowning.

(c) Which first aid is given to a near drowned victim who has been removed from water?

(d) How does the use of a life jacket while travelling on water help to prevent near drowning?

50. a) Where does absorption of alcohol take place in the human digestive system?

(b) Give **one** reason why Vitamins and mineral salts are not digested in any part of the digestive system.

c) Give **two** adaptations of the ileum that enables it to absorb digested food.

(i) _____

(ii) _____

51. a) Identify any **one** insect that contaminates our food.

b) Write any **one** example of a disease spread through contaminated food.

c) Suggest any **two** ways you would prevent contamination of food by the vector named in (b) above.

(i) _____

(ii) _____

52. (a) Apart from paddock grazing, give any **two** systems of grazing cattle.

(i) _____

(ii) _____

(b) How does paddock grazing help to reduce tick borne diseases on a farm?

(c) Give **one** disadvantage of paddock system of grazing cattle.

53. a) Why do people feel hotter when dressed in black on hot days than when dressed in white?

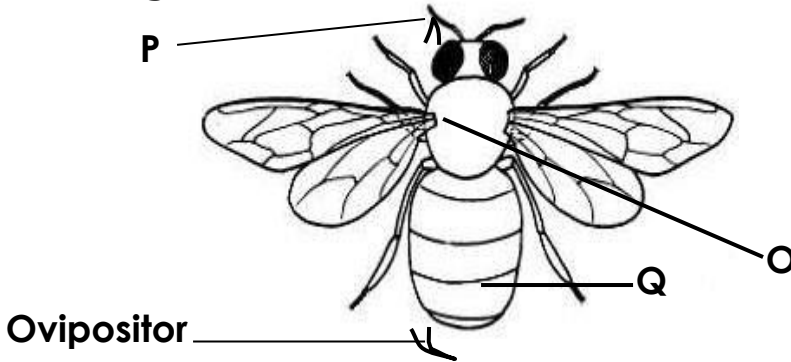
b) Name any **two** sources of heat used for cooking food at home.

(i) _____

(ii) _____

c) Identify any **one** food value that provides heat to the body.

54. **The diagram below is of an insect. Use it to answer question 54.**



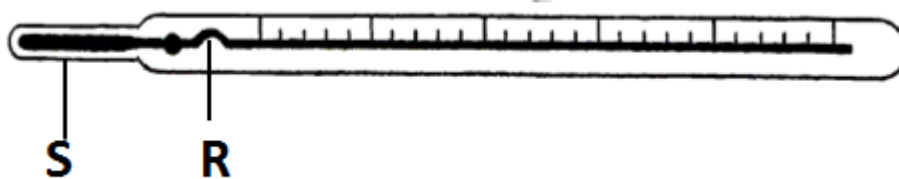
a) Name part marked **O** and **P**.

O _____ **Q** _____

b) How is part marked **P** useful to an insect?

c) Why do you think the insect in the diagram is a female?

55. The diagram below shows a thermometer. Use it to answer question 55.



(a) What name is given to the thermometer above?

(b) Give the function of part marked with letter **R**.

(c) Name the liquid commonly used in the above thermometer.

(d) How does a doctor sterilize the above thermometer after use?

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