



GULU CITY EXAMINATION COMMITTEE

P.L.E - MOCK EXAMINATION 2024

PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2Hours 15 Minutes

EMIS NUMBER						PERSONAL NO.		

CANDIDATE'S NAME	
SCHOOL	
DISTRICT	
SIGNATURE	

Read the following instructions carefully

1. This paper has two Sections: A and B.
2. Answer all questions. All answers to both sections A and B must be written in the spaces provided
3. All answers must be done using a blue or black-ball-point pen or fountain pen.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot be easily read may lead to loss of marks.
6. Do not fill anything in the boxes shown "For Examiners' Use Only"

FOR EXAMINER'S USE ONLY		
Qn. No	Marks	EXRS' NO.
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

Turn Over

SECTION A (40MARKS)

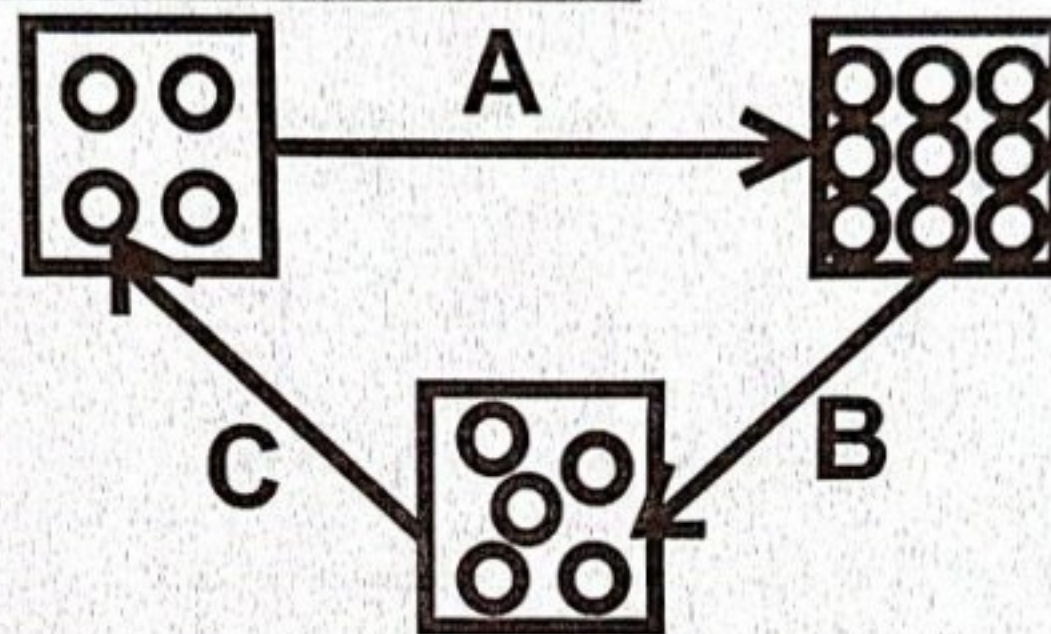
1. Name the longest bone in the human skeleton

2. Give any one method of dehorning cattle.

3. Which immunizable disease causes stiffness of body muscles in babies?

4. State any one reason why a wire mesh is used in building a rabbit hutch.

The illustration below shows the changes in the states of matter. Study and use it to answer questions 5 and 6.



5. Name the physical process marked A.

6. How is process B similar to process C?

7. State one effect of too much wax in the ear.

8. Give one instance that can make a bulb failed to produce light even if the switch is turned on in a simple electric circuit.

9. How does crop rotation help to control pests in a crop garden?

10. Mention one structural difference between an artery and a vein.
11. Name the type of brooding where the mother hen takes care of the chicks.

12. Why do swimming pools appear shallower than actually they are?

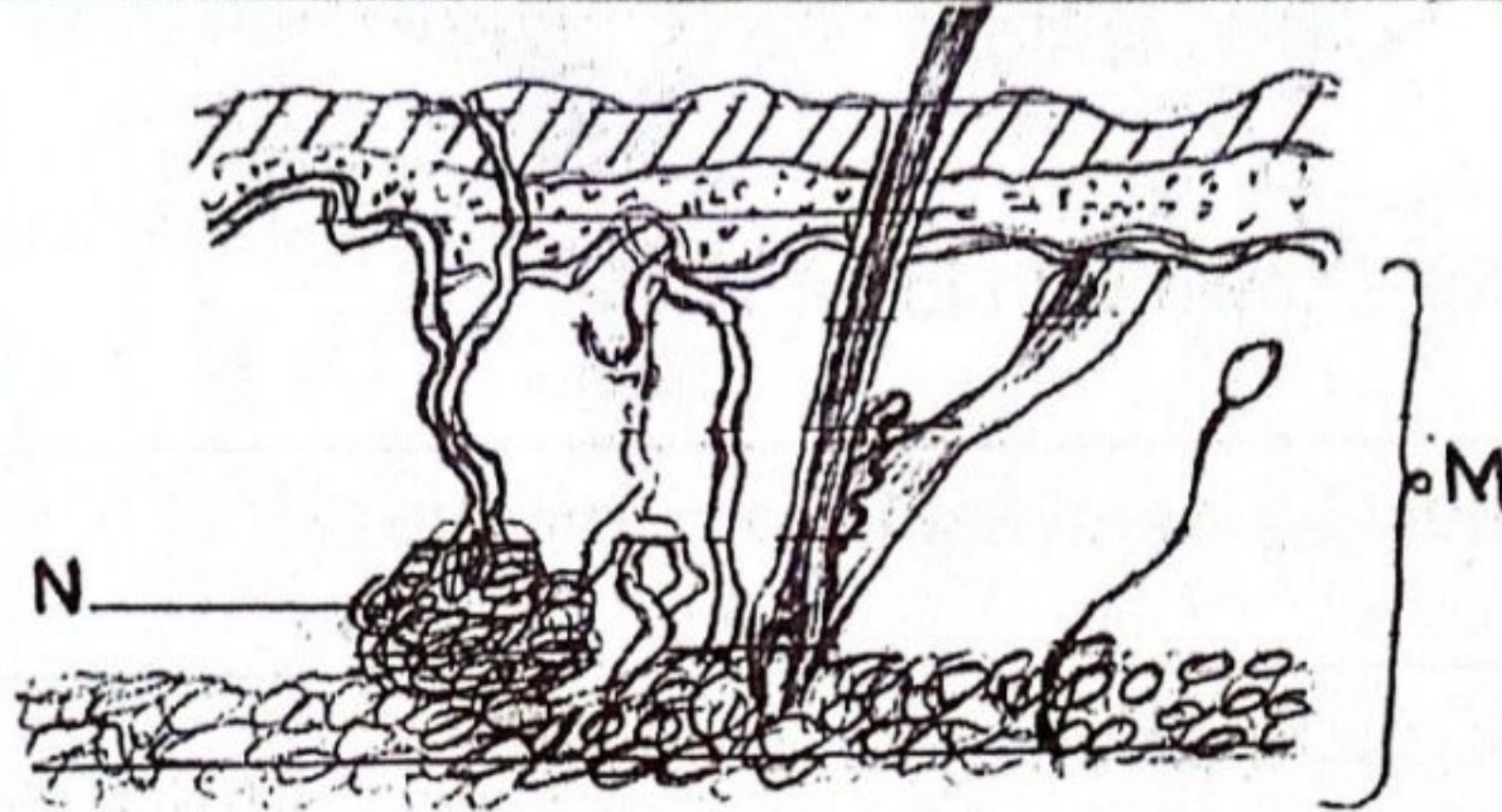
13. State one way in which married couples can avoid HIV/ AIDS among themselves.

14. Mention one role played by hydrochloric acid produced in the stomach.

15. Give any one way the human skin regulates body temperature.

16. State one cause of juvenile delinquency

The diagram below is of a human skin. Use it to answer questions 17 and 18.



17. Name the skin layer marked with letter **M**.

18. State the function of part marked with letter **N**.

19. How is regular blinking of eyes important to a person?

20. Which part of a fish enables it to detect movement of enemies in water?

21. Identify the cause of an electric short circuit.

22. Name any one local material in the environment used to make balls.

23. Why does blood go to the kidneys during circulation?

24. State any one factor considered when prescribing a drug.

25. Mention any one indicator of wind blowing in the environment.

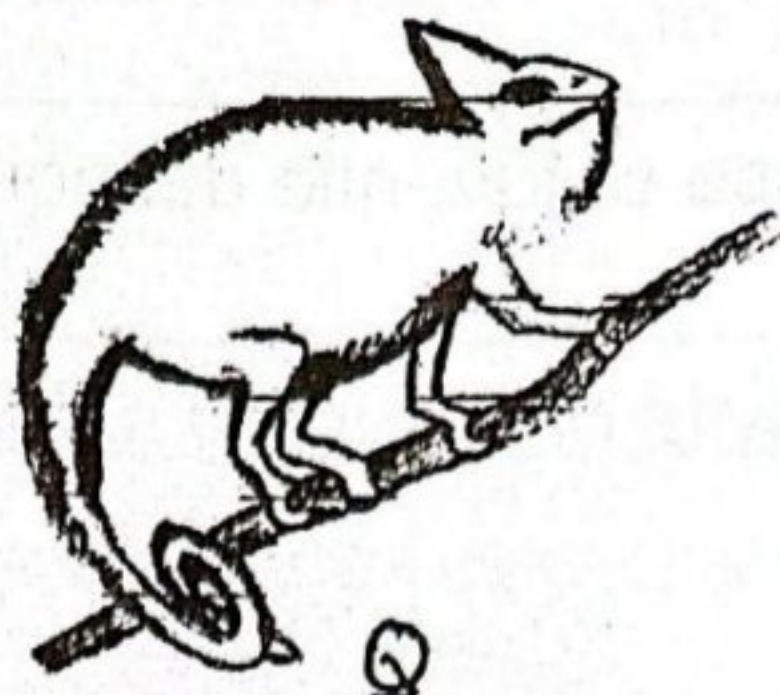
26. Name one vaccine given to babies at birth.

27. Give one way of controlling the spread of red eyes among children.

28. Why are the images formed by the lens camera real?

29. How does the presence of termites in the soil of the benefit the farmers?

The diagram below shows common animals in our environment. Use them to respond to item 30 and 31.



30. Name the animal shown with letter P.

31. How does animal Q protect itself from enemies?

32. How is a switch useful in an electric circuit?

33. How do tape worms lead to malnutrition?

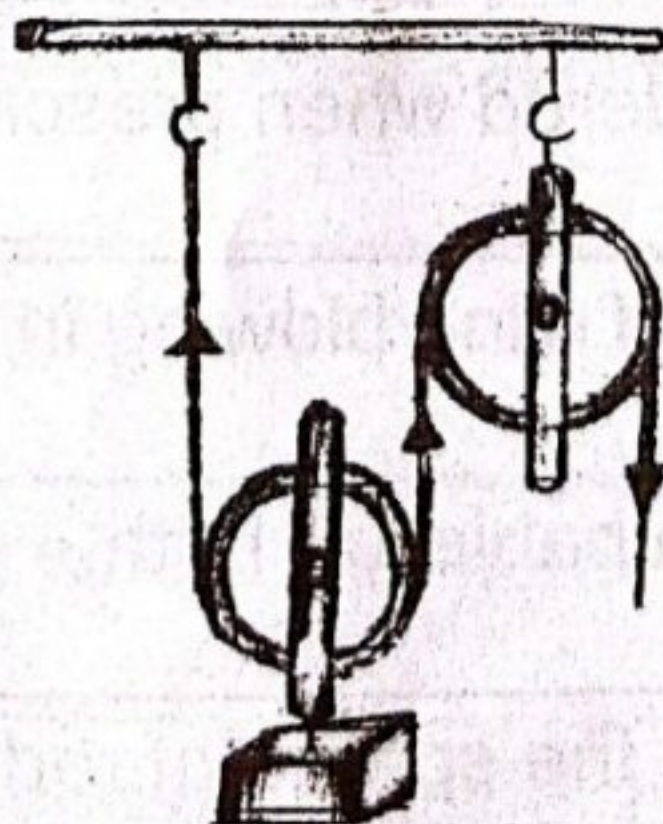
34. State any one cause of inadequate food in the population.

35. Give a reason why ventilated improved pit latrines should not have the covers?

36. How is burning different from rusting?

37. State one way in which seed dispersal is important in the environment.

The diagram below shows one of the simple machines. Use it to answer questions 38 and 39.



38. Name the type of pulley system shown above.

39. State one advantage of using the above pulley to lift loads.

40. Mention any one component of soil.

SECTION B

41.(a) Give the meaning of the term "sanitation".

(b) State one way of maintaining proper sanitation.

(c) How far should the following places be from a pit latrine?

(i) Water source

(ii) Kitchen

42.(a) Identify the plant process that takes place in the leaves apart from photosynthesis.

(b) State two raw materials for photosynthesis.

(i) _____ (ii) _____

(c) How do plants help in rain formation?

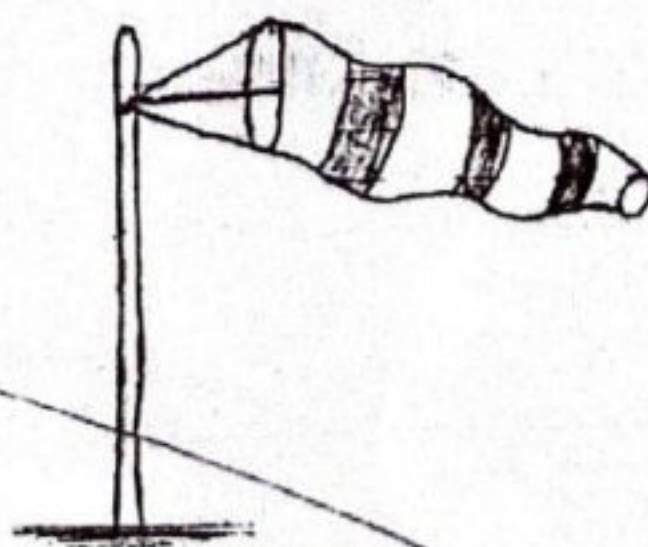
43.(a) Name the type of tooth used for peeling sugarcane.

(b) State the mineral salt enamel is made of as part of the human teeth.

(c) Mention the function of gum to a tooth.

(d) Apart from brushing, give any one way of caring for teeth.

44. The diagram below is of a weather instrument. Use it to answer the questions that follow.



(a) Identify the weather instrument shown above.

(b) State the function of the above instrument in a weather station.

(c) Apart from the above weather instrument, mention one other weather instrument that deals with wind.

(d) Give a reason why Stevenson screen is painted white.

45. Match the following common crop growing practices in list A with examples of crops in list B.

List A

Planted on mounts
Requires curing by air or heat
Requires staking
Harvested by digging out bulb

List B

onions
tomatoes
sweet potatoes
tobacco
Pumpkin

A

(i) Planted on mounts _____

(ii) Requires curing by air or heat _____

(iii) Requires staking _____

(iv) Harvested by digging out bulb _____

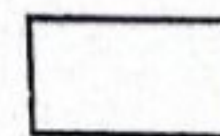
46.(a) State any two ways of carrying out health education in the community.

(i) _____

(ii) _____

(b) Mention one role played by doctors and nurses in the immunization program.

(c) Why does the government carry out demography?



47.(a) Identify the method by which the following parts of a vacuum flask controls heat loss or gain.

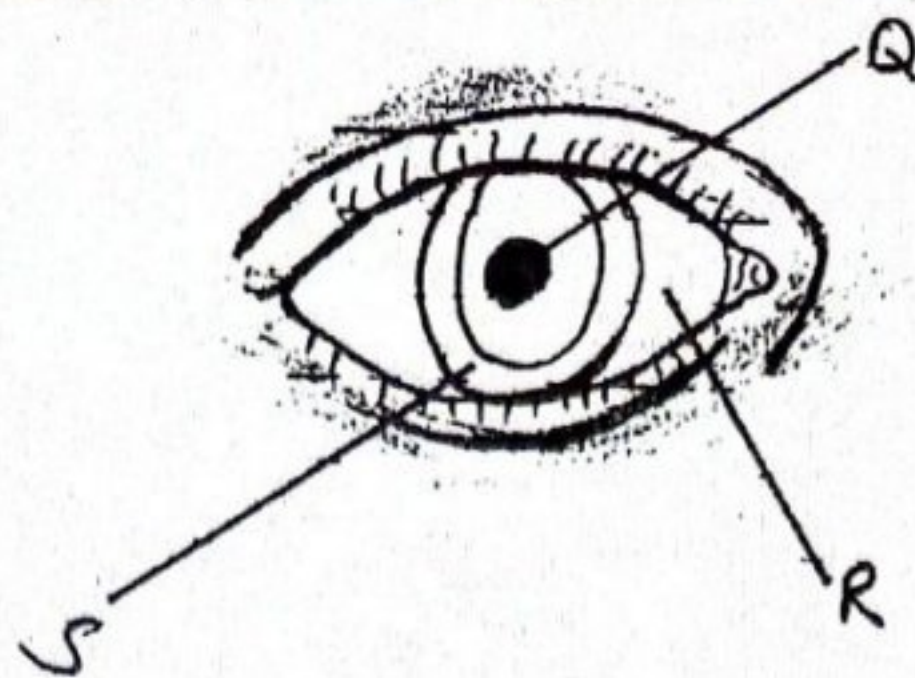
(i) silvery surface _____

(ii) cork _____

(b) Give a reason why heat travels fastest through gases by convection.

(2marks)

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



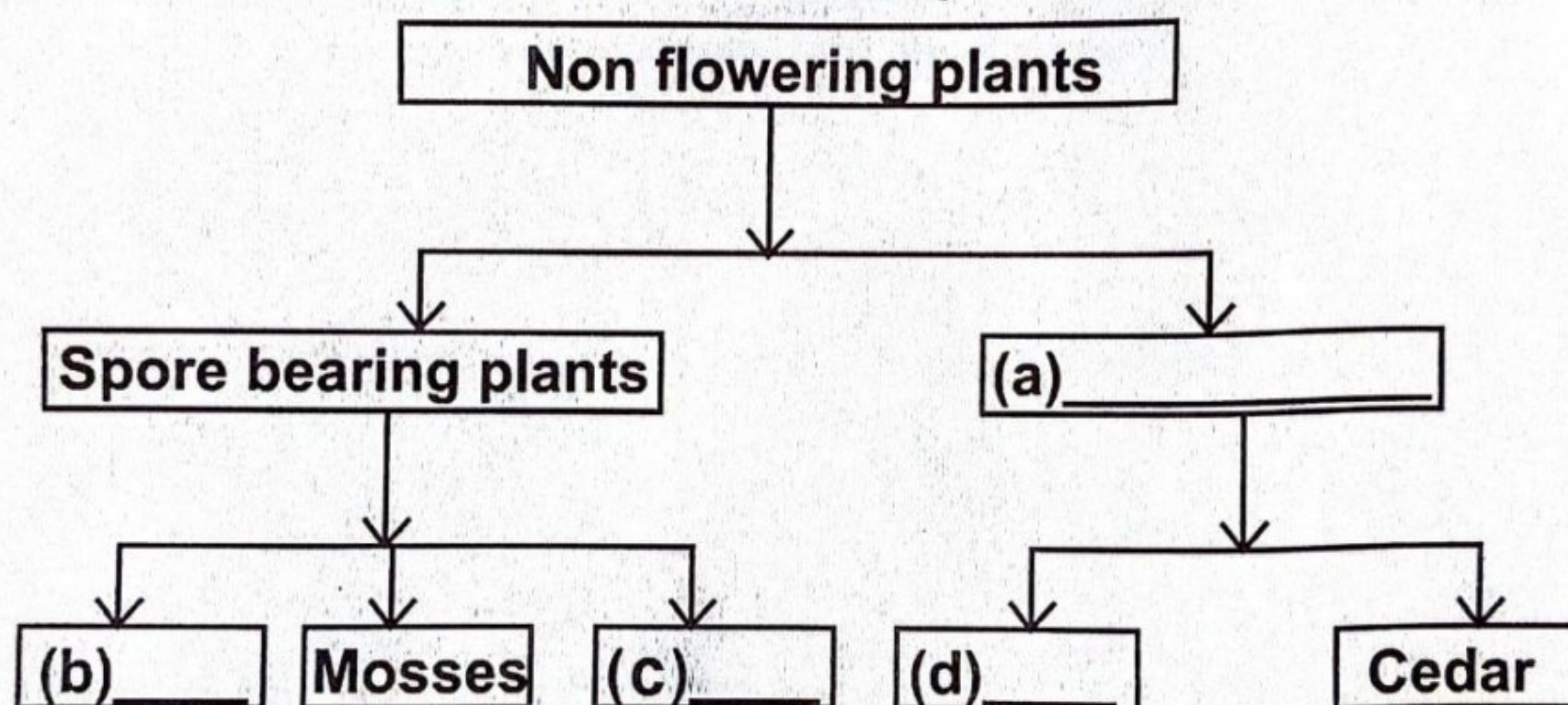
(a) Name parts of the eye labelled Q and R

(i) Q _____ (ii) R _____

(b) How is part marked with letter Q useful to the eye?

(c) State the eye defect corrected by use of spectacles with a converging lens.

49. Study the chart below to answer the questions that follow.



(i) What do the following letters represent?

(a) _____

(b) _____

(c) _____

(d) _____

50. (a) Name the part of a VIP latrine used to;

(i) Let out bad smell into the air. _____

(ii) Trap flies _____

(b) State any one way of keeping a VIP latrine.

(c) State the reason the pit hole of a VIP latrine should be left open at all times.

51. (a) Give any two causes of teenage pregnancy.

(i) _____

(ii) _____

(b) State any two problems faced by a 15 year old girl child who becomes pregnant.

(i) _____

(ii) _____

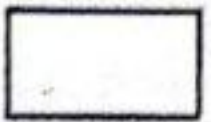
52.(a) How does tar lead to lung cancer?

(b) Mention the importance of cilia found in the human nostril.

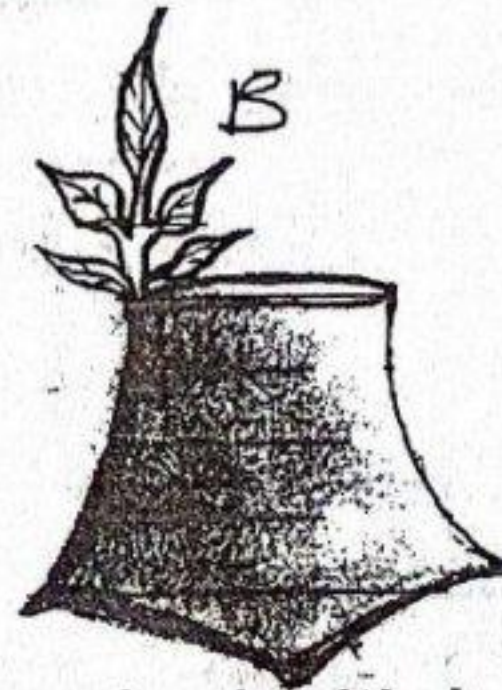
(c) What happens to each of the following during breathing in?

(i) diaphragm

(ii) lungs



53. The diagram below shows methods of harvesting trees. Study and use them to answer questions that follow.



(a) Name the methods of harvesting trees marked with letters **A** and **B**

(i) **A** _____ (ii) **B** _____

(b) Mention one reason why method **A** is carried out.

(c) Apart from the two methods shown above, write one other method of harvesting trees.

54.(a) Mention two ways in which machines simplify work.

(i) _____

(ii) _____

(b) Give two machines whose load is in between their pivot and effort.

(i) _____

(ii) _____

55.(a) Name any two types of soil.

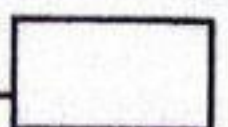
(i) _____

(ii) _____

(b) State any two ways in which soil fertility can be improved.

(i) _____

(ii) _____



END