

KOLOLO JUNIOR SCHOOL

PRE PLE SET 8 2022 (B1)

CLASS : P.7
SUBJECT : INTEGRATED SCIENCE
DURATION : 2 HOURS 15 MINUTES

Previous Mark	
Expected Mark	
Actual Mark	

INDEX NUMBER :

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Name _____ Stream _____

SECTION A:

- Which body organ is used for tasting?

- What does the term "vice" mean in poultry keeping?

- How is a seed different from a fruit?

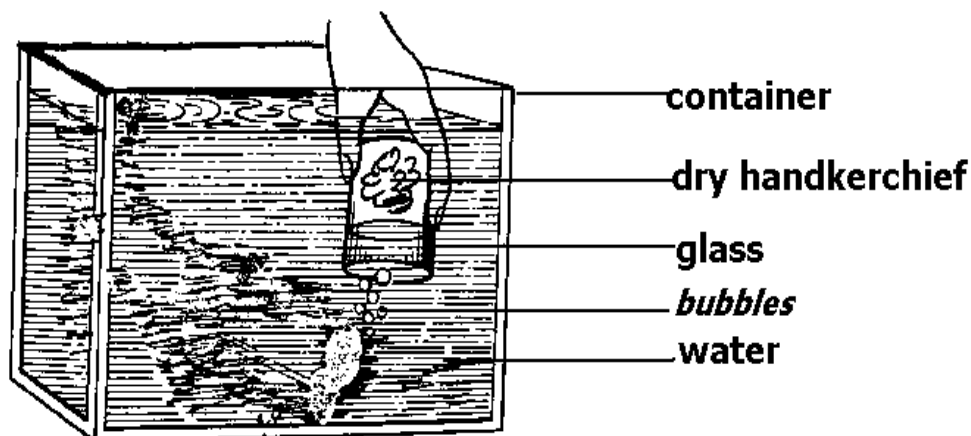
- Why are some metals galvanized?

- Mention one characteristic which makes a spider not to be grouped under insects.

- Why are food taboos important?

- How are conifers different from other non-flowering plants?

- What property of air does the diagram illustrate?



- Give the function of a pinna in a human ear.

10. Explain how plants are used as energy resources in our environment.

11. Name the type of change that takes place when mangoes ripen.

12. Why do some objects weigh less on water than in air?

13. What is the importance of transpiration to plants?

14. Which characteristic of loam soil enables it to trap sunlight energy?

15. State the importance of grit in the digestive system of a bird.

16. Identify one example of a magnetic substance.

17. Name the gas present in tobacco smoke

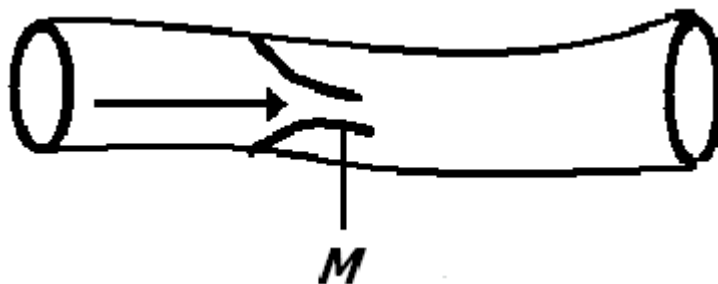
18. How does diarrhea affect the digestive system?

19. Why are people encouraged not to drink unboiled water?

20. A female fish lays eggs in water. How are these eggs fertilized?

21. Nanku burnt herself with a hot flat iron. What type of injury did she get?

Use the diagram below to answer question 22.



22. What is the importance of the structure marked M in the above blood vessel?

23. Give one difference between a sprain and a strain.

24. In which part of a human body are red blood cells made?

25. Identify the body part an insect uses for balancing during flight.

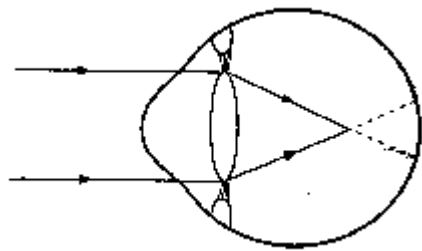
26. What does the term "resource" mean?

27. Why do we see the flash of lightning before we hear the sound of thunder during rain storms?

28. Write down the vector that spreads elephantiasis.

29. Convert 100°C to $^{\circ}\text{F}$.

30. What eye defect is shown in the diagram below?



31. Why is the measles vaccine administered at the age of nine months?

32. State one advantage of family planning.

33. Identify one psychological characteristic which is common in adolescents.

34. Apart from getting sunlight, why else do weak stems climb others

35. How does rural electrification help in conserving the environment?

36. Name one cold blooded vertebrate that has a body shell.

37. Identify one health reason why building industries should be limited.

38. Why should wood being burnt into charcoal be covered with soil?

39. In the space provided below, draw a compound pinnate leaf.

40. Why is food digestion said to begin in the mouth?

SECTION B

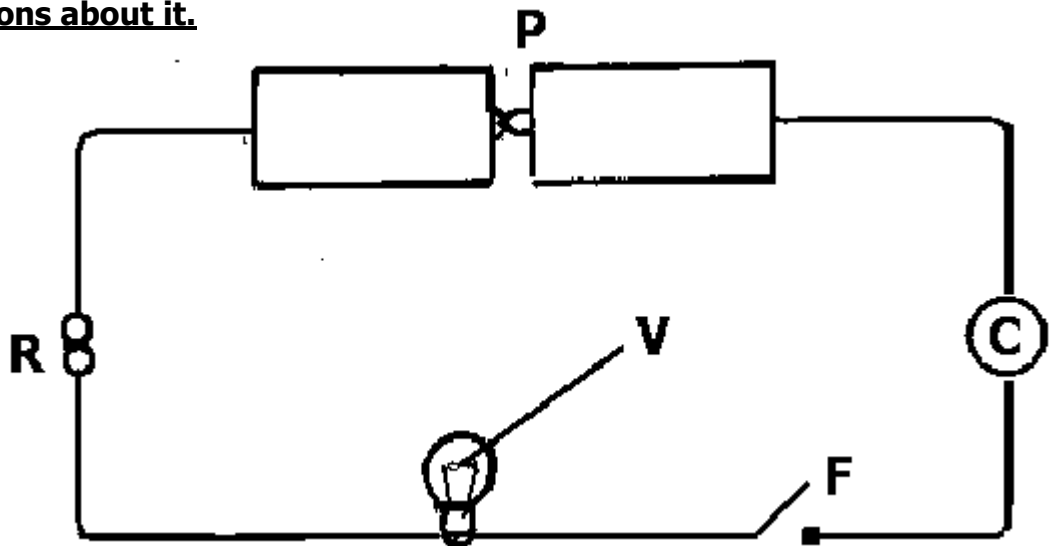
41. (a) What is a solute?.

(b) Give one solute used in making ORS.

(c) Why is water said to be a universal solvent?

(d) What health condition can be treated using ORS?

42. **The diagram below shows an electric circuit. Study it carefully and answer the questions about it.**



(a) Name part marked F.

(b) Give the function of part marked R.

(c) What form of energy is contained in part marked P?

(d) Why should part marked V fail to produce light when F is closed?

43. **The diagram below shows a musical instrument made by P6 class. Study the diagram and answer the questions about it.**



(a) How can the instrument be made to produce sound?

(b) Why did the pupils put water in the above musical instrument?

(c) How can the user make the above instrument to:

i) produce high pitch of sound?

ii) produce low pitch of sound?

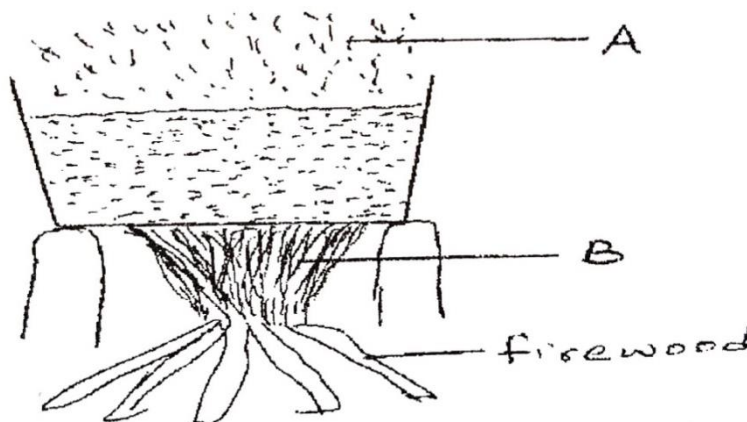
44(a) Give one example of a legume.

(b) How are nitrates important to leguminous plants?

(c) What food value do we get from leguminous plants?

(d) Apart from root nodules, given any other characteristic of leguminous plants.

45. The diagram below illustrates some changes in the environment. Study and use it to answer questions that follow.



a) Name the type of change taking place at:

i) A _____

ii) B _____

b) State any one way type of change A can be helpful in the environment.

c) Give one way the process at B can be harmful to air

46(a) Identify one type of cattle kept in Uganda.

(b) Give the importance of the type of cattle you have named in (a) above.

(c) Identify two advantages of rearing exotic breeds of cattle over local breeds of cattle.

(i) _____

(ii) _____

47(a) Define the following terms:

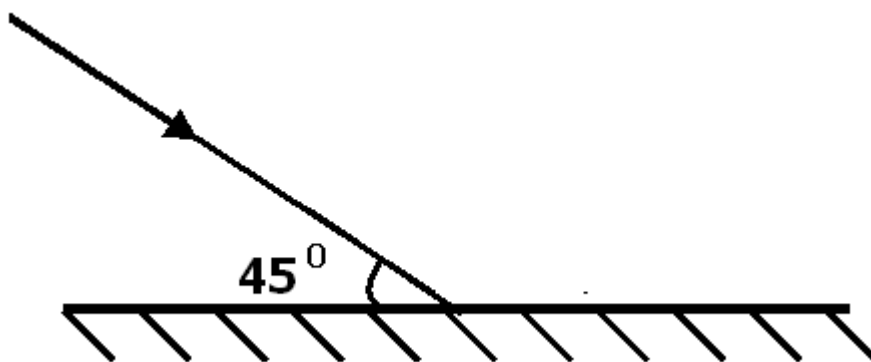
(i) Temperature

(ii) boiling point

(iii) heat

(iv) evaporation

48. **The diagram below shows a light ray being reflected through a plane mirror.**



- (a) Complete the diagram above.
(b) Calculate the value of the angle of reflection.

(c) What type of reflection is shown in the diagram?

(d) Give one characteristic of images formed through a plane mirror.

49(a) What is Primary Health Care?

(b) Give two principles of Primary Health Care.

(i)

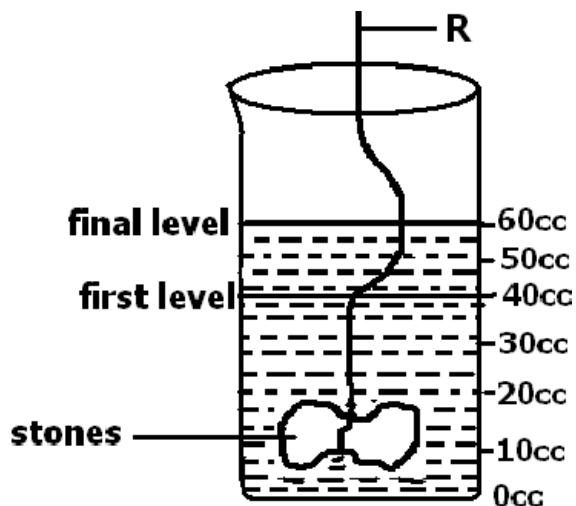
(ii)

(c) Which element of PHC is promoted by wearing masks as a way of controlling COVID-19.

50(a) Write AIDS in full.

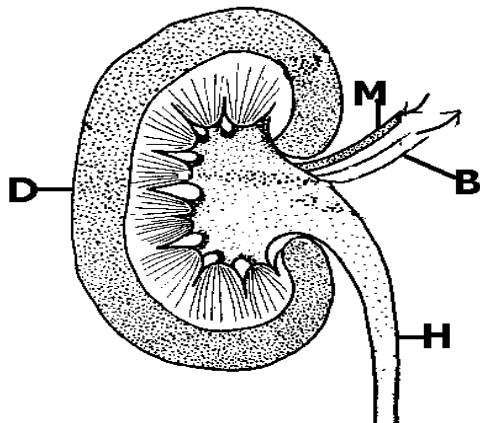
- (b) Write down two ways through which AIDS is spread.
- (i) _____
- (ii) _____
- (c) What is the best way for a P. 7 pupil to avoid contracting AIDS?
- _____

51. **Study the diagram below and answer the questions about**



- (a) Find the volume of the stone.
- _____
- (b) Give the use of the use of R in the experiment.
- _____
- (c) Why do objects weigh less in water than in air?
- _____
- (d) Name the method used to find the volume of the stone.
- _____

52. **Study the diagram of the kidney and answer the questions that follow.**



(a) Name the parts marked H and D.

(i) H: _____

(ii) D: _____

(b) Mention one component reabsorbed by the medulla

(c) Give one disease that affects the organ in the diagram above.

53(a) What is a food chain?

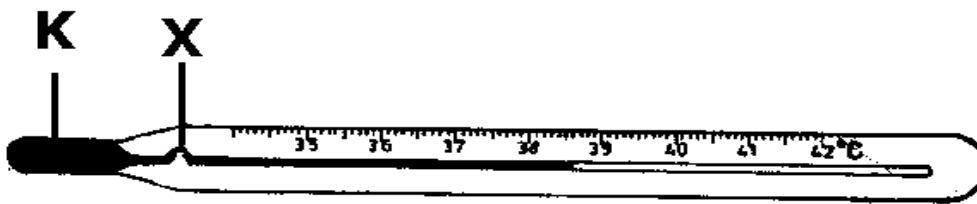
(b) Differentiate between primary consumers and secondary consumers.

(c) Give two ways how plants depend on each other.

(i) _____

(ii) _____

54. **The diagram below shows a clinical thermometer.**



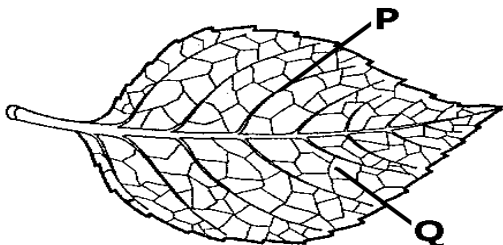
(a) What is the use of the above instrument?

(b) Name liquid marked K.

(c) In a human heart, which part carries out a similar function as part marked X?

(d) Give the importance of part marked X.

55. **Study the diagram below and answer the questions that follow.**



(a) Name part marked P

(b) What important process takes place in part marked Q?

(c) Give two raw materials needed for the process named in (b) above to take place.

(i)

(ii)
