

SECTION A

1. Name the reproductive cell in a mushroom.
2. State any one chemical method used to control the spread of malaria among children.
3. Which type of soil erosion creates big channels into the soil by running water?
4. Name the part of the digestive system affected by hepatitis B.
5. What is the function of segments on a tape worm?

The diagram below shows an animal. Use it to answer questions 6 and 7



6. Name the group of mammals to which the above

animals belong.

7. Why is the above animal called a mammal?
8. What new substance is formed when rusting takes place?
9. Give one way in which the property of air exerts pressure is useful to school children.
10. State one reason why farmers should not plant seeds with holes.
11. Give one way in which rickets disease affects the human skeletal system.
12. What body condition is caused by diarrhoeal diseases in babies?
13. Which method of heat transfer enables a lit charcoal stove to burn?
14. Give one way in which school can promote personal hygiene among children.
15. State one condition that can lead to the outbreak of diseases in a rabbit house.

The diagram below shows a flower. Use it to answer questions 16 and 17



16. Name the part marked X

17. How is part Z able to attract a butterfly to visit the flower?

18. Give one way in which poor drug prescription can lead to the misuse of drugs by patients.

19. Apart from boiling water, how else can dirty water be made safe for drinking.

20. Name the type of teeth that are well developed in carnivores.

21. Give one way in which gills filaments are able to allow oxygen diffusion in the body of a fish.

22. Apart from having segmented bodies, state one other characteristic common to all arthropods.

23. How does the use of solar energy in cooking help to conserve trees?

24. Give one way in which the function of fire extinguisher and sand are similar.

The diagram below shows a method of storing sound (music). Use it to answer questions 25 and 26



25. Identify the method of writing music shown above.

26. Give any one way in which music written by the above method can be reproduced.

27. Name the substance collected by bees from plants to repair damaged hives.

28. How do railway line constructors prevent the train rails from bending on hot days?

29. How does breast feeding help to promote health of a newly born baby?

30. Mention a chemical change that takes place with the help of the action of bacteria.

31. Give a reason why used car oil should be properly disposed off.

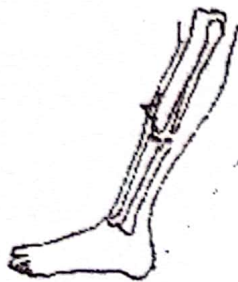
32. How is the process of budding important to yeast?

33. What role is played by the diaphragm during breathing in?

34. How is a tsetse fly harmful to cattle?

35. State one way how old car tyres can lead to malaria at home.

The diagram below shows a type of fracture. Use it to answer questions 36 and 37



36. Name the type of fracture shown in the diagram above.

37. Give any one characteristic of the type of fracture shown in the diagram.

38. State one importance of flushing toilets after use.

39. Give any one factor that can lead to smoking.

40. Name the class of food that is given to pregnant mothers to promote growth of the unborn baby.

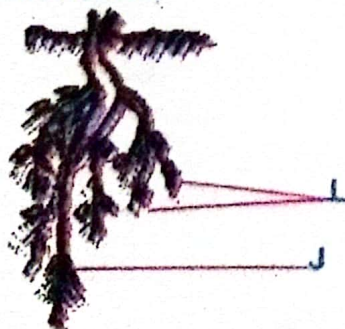
SECTION B

41. (a) Identify any two changes of states of matter that are useful during distillation process of alcohol.

(b) Which state of matter has strong forces of cohesion?

(c) which force of attraction enables a masking tape to stick on the wall?

42. The diagram below is of a root system. Use it to answer questions that follow.



(a) Name the parts labelled J and L

(b) Which group of plants have such kind of root system shown in the diagram?

(c) Name the organisms that are found inside part marked K.

43. In the table below, part A shows components of an electric circuit and part B has the functions of each component but in wrong order.

A: components	B: Function
Switch	Stores chemical energy
Fuse	Completes or breaks the circuit
Battery	Measures amount of electricity
Ammeter	Breaks the circuit incase of high voltage

Select the correct answer from part B to match the component below and write it in the space provided

(i) switch

(ii) fuse

(iii) battery

(iv) ammeter

44. (a) State a soil condition that leads to the movement of nutrients into deeper layers of the soil.

(b) Apart from the condition in (a) above, state any two other factors that can lead to soil erosion

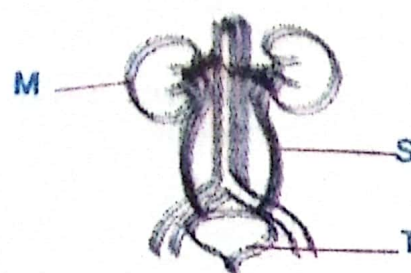
(c) Give one advantage of sing natural fertilisers.

45. (a) Name the farm practice that eases mating in ewes

(b) How does the above practice help to ease mating in ewes?

(c) Give any two reasons why sheep farmers should keep health records.

46. The diagram below is of the human urinary system. Study and use it to answer questions that follow.



- (a) Name the part labelled S and T
 (b) State the function of part marked S
 (c) Give any one disease that can affect the system above.

47. (a) Write down any two activities done at home under the child to child programme

(b) State any two ways in which child to child programme is important to school children.

48. (a) Give a reason why objects weigh less on the moon than on earth.

(b) Name the force that enables rain to fall down from the sky.

(c) How is density of an object determined?

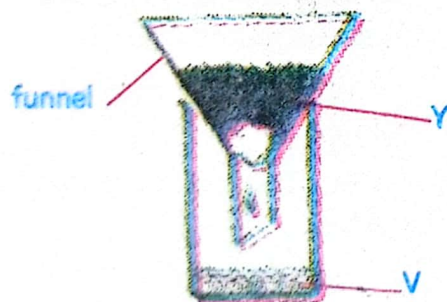
(d) Which instrument is used to measure weight of an object?

49. (a) Identify an important process in the human body that uses glucose and oxygen to take place.

(b) How does the above process benefit the human body?

(c) Write down two by products of the process in (a) above.

50. The diagram below shows a method of making water clean. Use it to answer questions that follow.



(a) Identify the method of making water clean above.

(b) Name the substances marked V and Y

(c) Give any one other home activity done using the above method.

51. (a) Give one other home activity done using the above method.

(b) Write down the element of PHC promoted by the following activities.

(i) tying a splint on the broken leg Y V funnel

(ii) taking a pregnant mother to the

hospital

52. (a) Why is it not advisable to keep the buck and doe together a few days after kindling?

(b) Give the meaning of the term kindling as used in rabbit keeping.

(c) Give any two exotic breeds of rabbits.

53. (a) Give any one example of a food taboo in the community.

(b) In which way can food taboos affect the health of a 3 year old baby?

(c) State any two advantages of food taboos in the community.

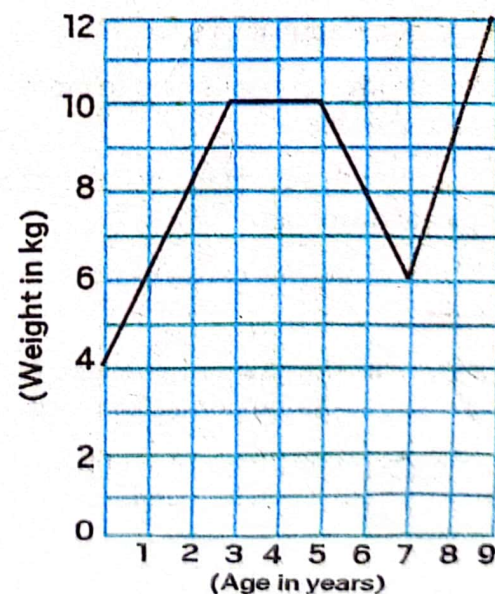
54. (a) Write down any two characteristics of fish.

(b) State any one function of each of the following parts to a fish

(i) swim bladder

(ii) lateral line

55. The graph below shows information about a child's growth as recorded by a parent from birth to the age of 9 years. Use it to answer questions that follow.



(a) What was the child's weight at birth?

(b) Which letter on the graph shows stunted growth?

(c) Give one factor that may have caused the loss of weight as shown by letter C.

(d) Name any one vaccine that is given before a baby makes a month.