

SURE KEY EXAMINATIONS BOARD
PRIMARY SEVEN PRE-REGISTRATION EXAMINATION
2022

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

| Registration No. | | | | | | Personal No. | | |
|------------------|--|--|--|--|--|--------------|--|--|
| | | | | | | | | |

Candidate's Name:

Candidate's Signature:

School Name:

District Name:.....

Read the following instructions carefully:

1. Do not forget to write your **school** or **district name** on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and Section **B** has **15** questions. The paper has **15 printed pages** altogether.
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated: "**For Examiners' Use only**" and boxes inside the question paper.

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

SECTION A: 40 MARKS

Questions **1** to **40** carry **one mark** each

1. Name the body organ that enables a primary one pupil to sense the nice smell from the kitchen.

.....

2. State **one** way of controlling mosquitoes at the larva stage.

.....

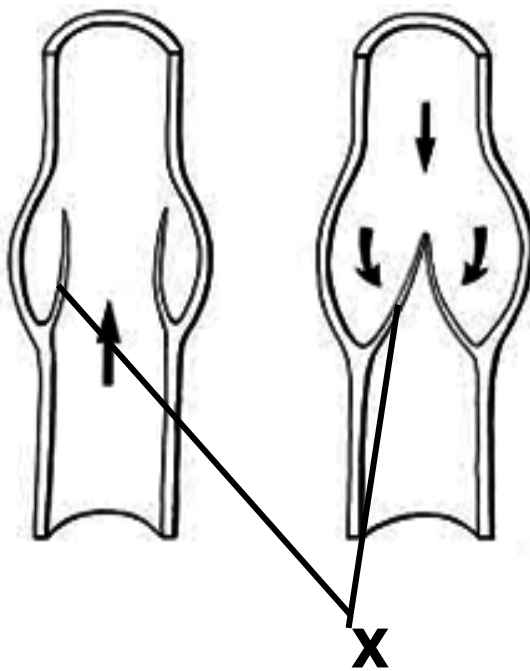
3. What type of change is destructive to iron and steel metals?

.....

4. Name the class of food recommended by Mr.Agaba who is a brick maker to eat.

.....

The diagram below shows blood vessels. Use it to answer questions **5** and **6**.



5. Identify the type of blood vessel shown above.

.....

6. State function of structures marked **X** in the above blood vessel.

.....

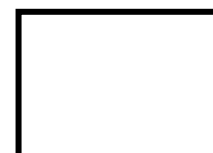
7. How is a swim bladder useful to a fish?

.....

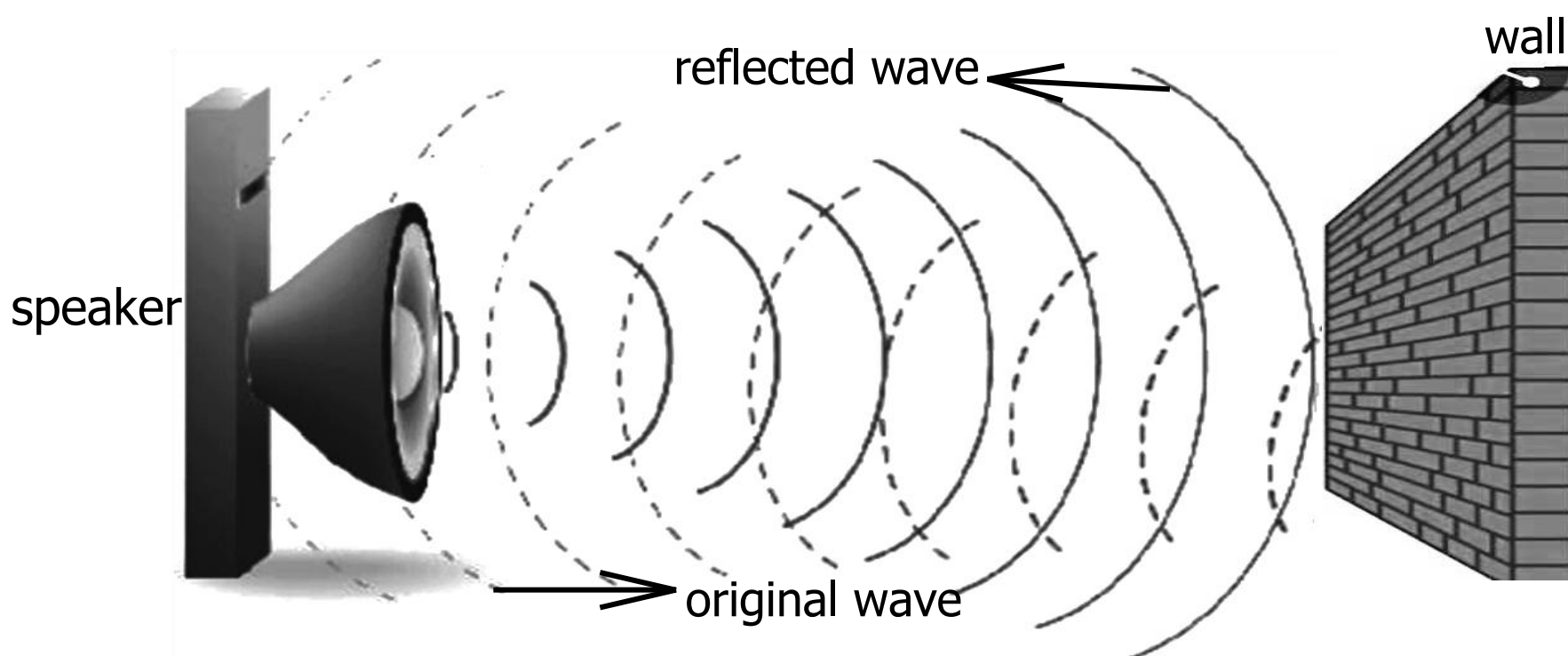
8. Which part of a caterpillar has the same function as the hard shell of a snail?

9. State the importance of some water that remains in a toilet bowl after flushing.

10. Why does water exist in all three states of matter?



The diagram below is of a property of sound. Use it to answer questions **11** and **12**.



11. State the property of sound shown above.

12. In which **one** way is the above property of sound useful to bats?

13. In which way do bacteria help in the production of yoghurt?

14. Give any **one** example of a farm animal that is castrated.

15. Apart from spreading diarrheal diseases, state **one** other way houseflies are dangerous to man.

.....

16. Which characteristic makes sand soil best for building houses?

.....

17. How is a humming bird different from other birds in terms of flight?

.....

.....

18. Give the major cause of child poisoning at home.

.....

19. State any **one** way an individual can participate in primary Health Care.

.....

20. Give any **one** way early planting is advantageous to a crop farmer.

.....

21. State any **one** danger a primary six girl can face while putting on dirty Knickers.



.....

22. How does a dog benefit from bringing out its tongue while running?

.....

.....

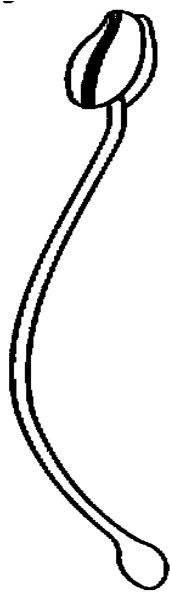
23. In which part of the female reproductive system does conception take place?

.....

24. Give **one** biological method of controlling crop pests in the garden.

.....

The diagram below shows a reproductive part of a flower. Use it to answer the questions **25** and **26**.



25. Identify the reproductive part of the flower shown above.

.....

26. Use letter **P** to label the part that produces substances similar to sperms in animals.

27. How does salting help in the preservation of meat?

.....

.....

28. Why is boiling water considered the best method of making water safe for drinking?

.....

29. Name the sexually transmitted diseases that can lead to madness at later stages if not treated early?

.....

30. What happens to the weight of an object when immersed in water?

.....

.....



31. Why is polio vaccine given more than once to children?

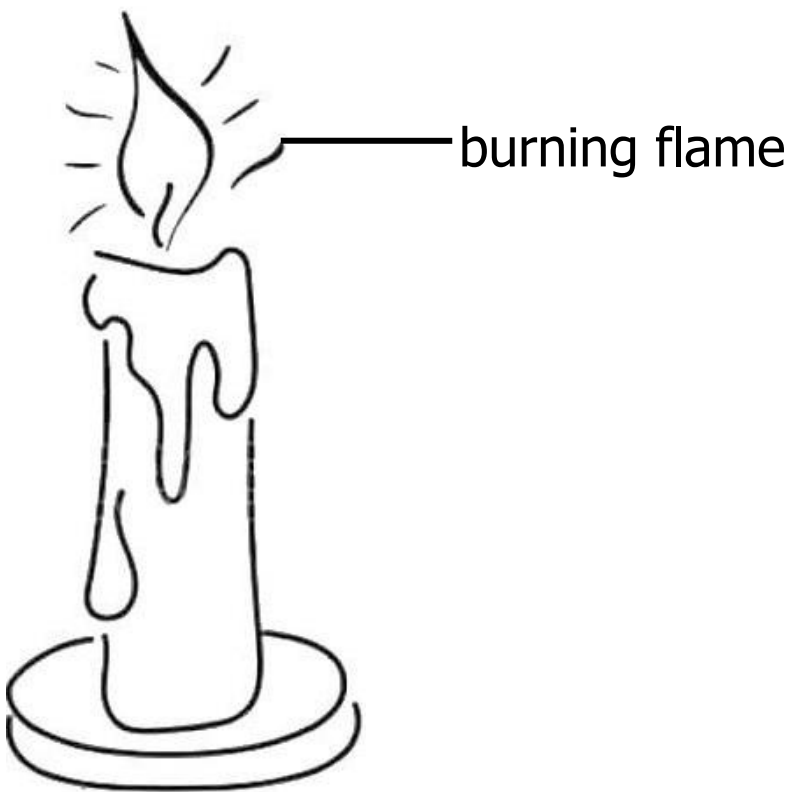
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32. How are the gills of a fish different from the gills of a mushroom in terms of their function?

.....

.....

The diagram below is of a burning candle wax. Use it to answer questions **33** and **34**.



33. Why would the flame go off when the candle wax is covered with a container?

.....

34. Give any **one** danger of using a candle wax at home.

.....

35. A part from debeaking, state any **one** other way of preventing egg eating in poultry

.....

36. How is a worker Bee able to carry pollen from flowers?

.....

37. Name the gas used to leguminous plants to make proteins.

.....

38. Which instrument is used to measure air pressure?

.....

39. Why does salt disappear when put in water?

.....

.....

40. What structure is used by a causality to support him/her while walking in case of a fractured leg?

.....



SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41. (a) What type of change is evaporation?

.....

(b) Give any **two** factors that affect the rate of evaporation.

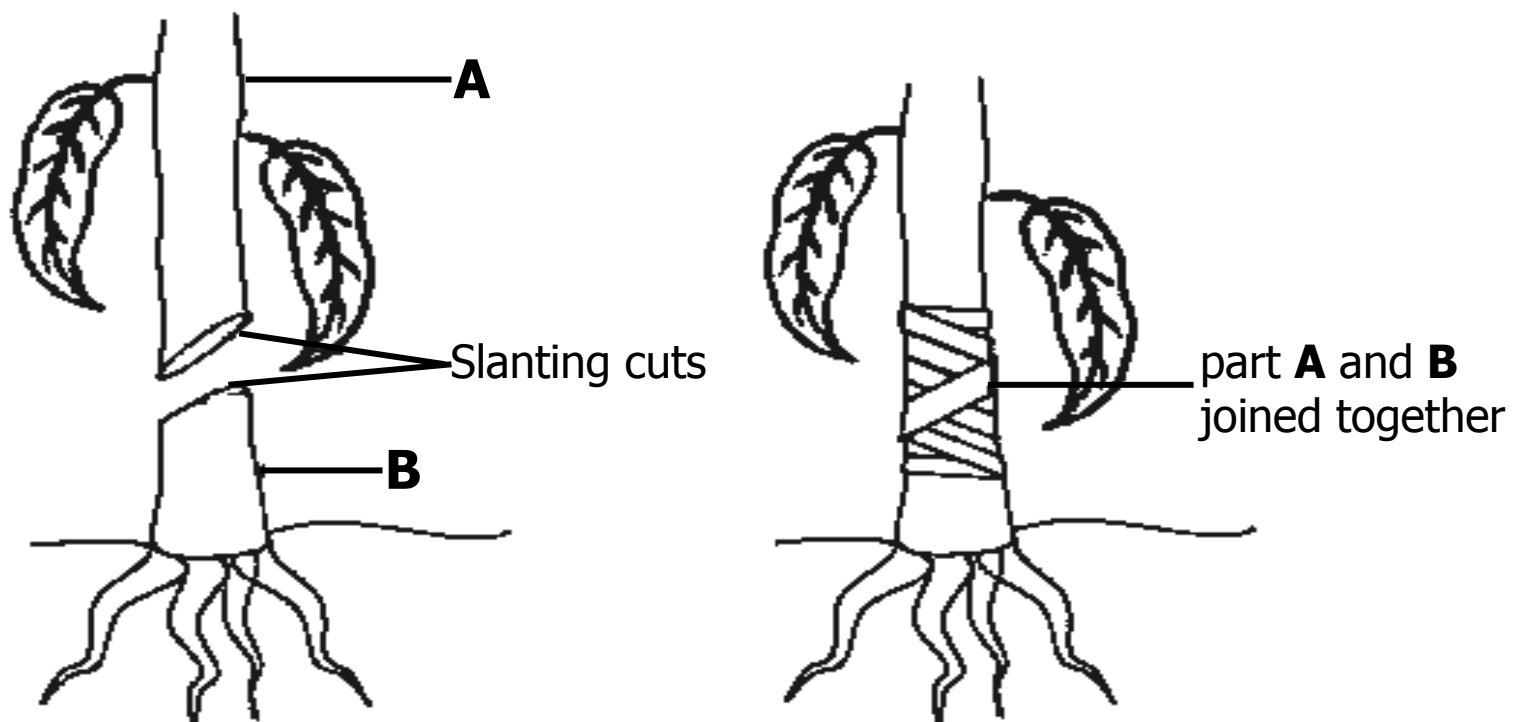
(i)

(ii)

(c) State any **one** way in which evaporation is applied in our daily life.

.....

42. The diagram below shows a method vegetative propagation. Use it to answer the questions that follow.



(a) What method of vegetative propagation is shown above?

.....

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

.....

- (c) Apart from the above method, state any **one** other method of vegetative propagation.

.....

- (d) Give any **one** advantage of vegetative propagation.

.....

43. (a) Give the role of each of the following during digestion.

- (i) Saliva

.....

- (ii) Tongue

.....

- (b) State any **two** characteristics of enzymes.

- (i)

- (ii)



44. (a) How does prolonged breast feeding promote family planning at home?

.....

- (b) Apart from prolonged breast feeding, name any **two** other methods of family planning

- (i)

- (ii)

- (c) Give any **one** advantage of family planning.

.....

45. (a) Mention **two** methods of harvesting rain water at home.

(i)

(ii)

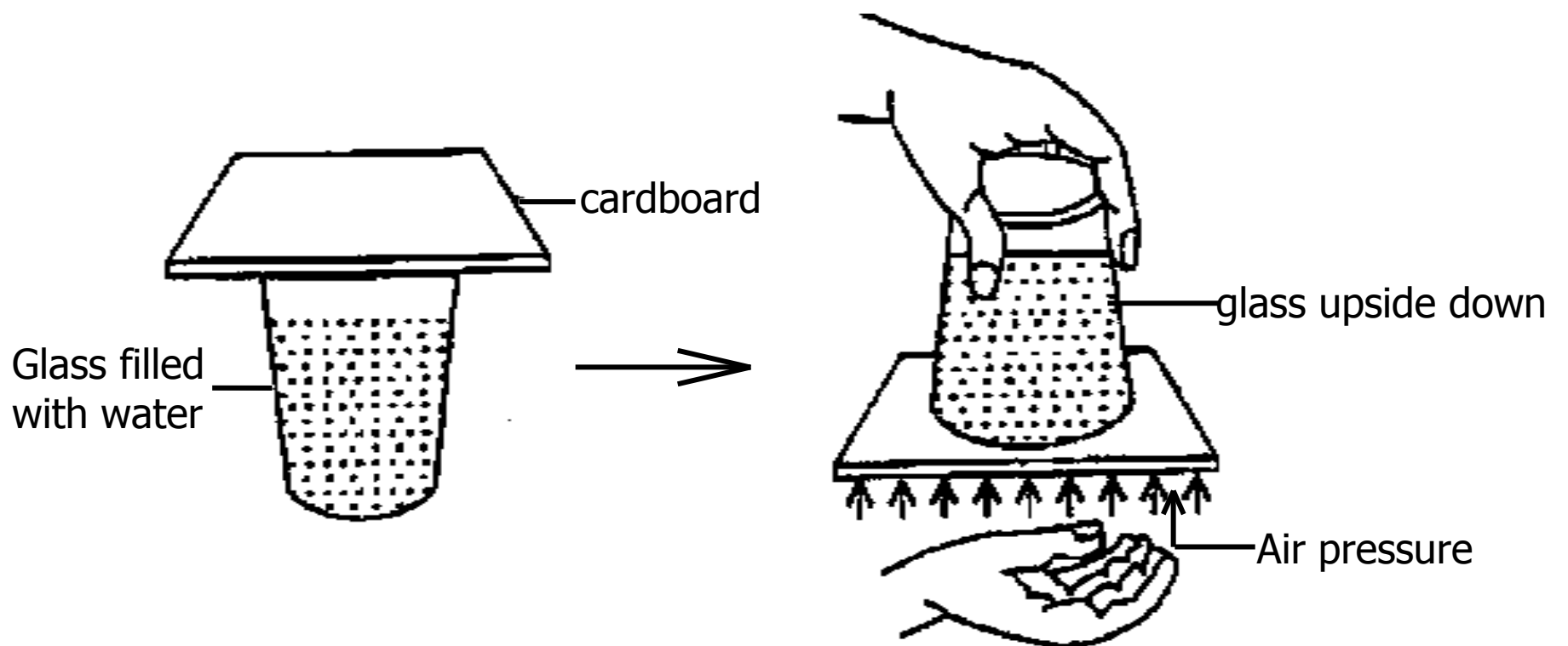
(b) Give any **one** way in which water is useful to a mechanic.

.....

(c) State any **one** danger of water to people.

.....

46. The experiment below shows a property of air. Study it carefully and use it to answer the questions that follow.



(a) Identify the property of air shown above.

.....

(b) Why doesn't water pour out of the glass?

.....

.....

(C) State the role of the cardboard in the above experiment.

.....

(d) Give any **one** application of the above property of air in our daily life.

.....

47. (a) Name the group of invertebrates to which each of the following animals belongs.

(i) Star fish

(ii) Jerry fish

(b) State any **two** ways in which invertebrates help to promote people’s health.

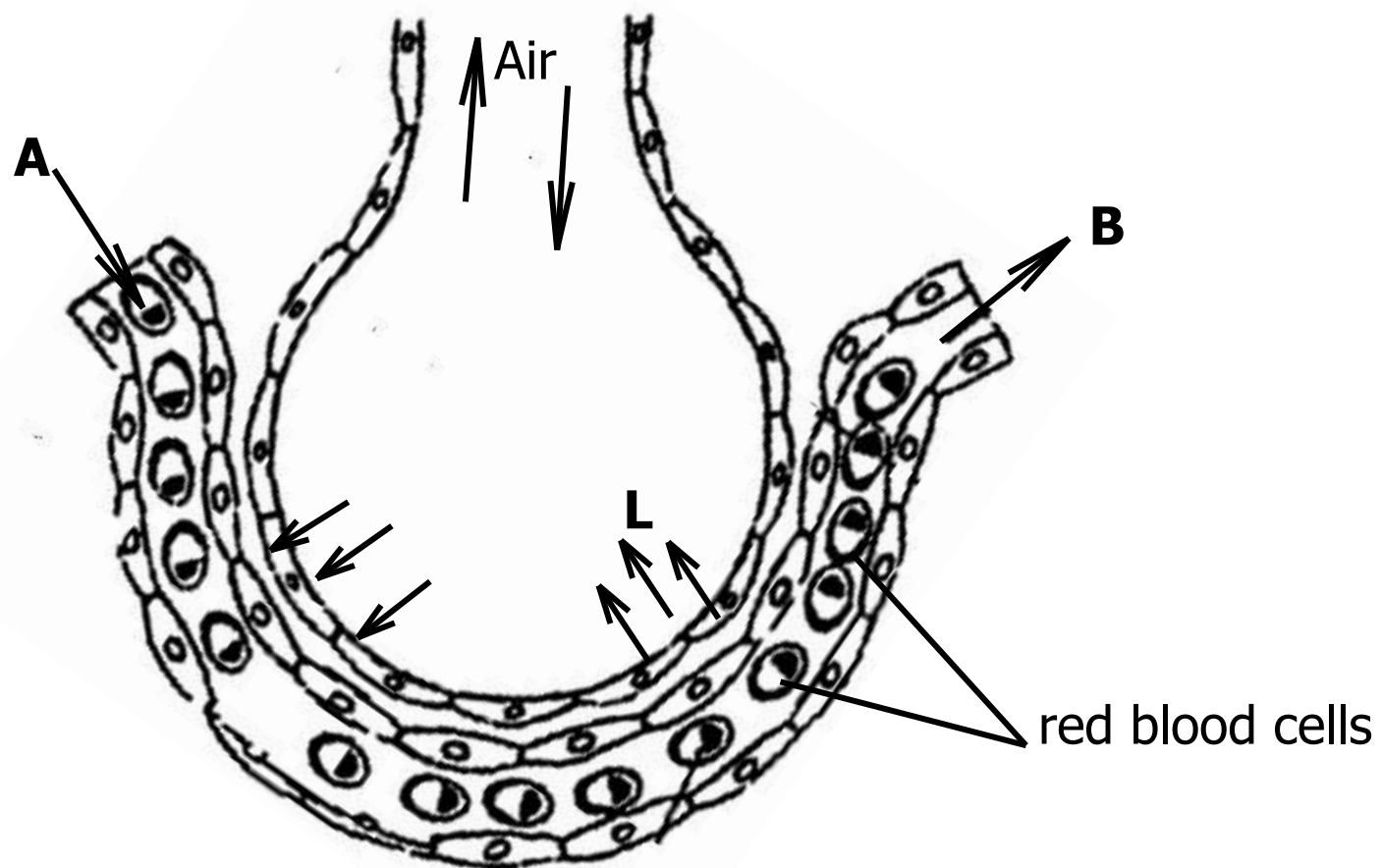
(i)

(ii)

48. The table below shows farm practices, animals and function of the practice, Study and complete it correctly.

| PRACTICE | ANIMAL | FUNCTION OF THE PRACTICE |
|------------------|-------------------------------|-------------------------------------------|
| (ii) | piglets | Prevents injuries on the teats of the sow |
| (i) Docking | Sheep | |
| (iv) Steaming up | Cows, nanny goats, sows, ewe. | |
| (iii) Dehorning | | Reduces injuries among animals |

49. The diagram below shows part of the respiratory system. Use it to answer the questions that follow.



- (a) Identify the part of the respiratory system shown above.

.....

- (b) Name the gas marked with letter **L**.

.....

- (c) In which **one** way is the above part adapted to its function?

.....

- (d) How is blood in **A** different from that in **B**?

.....

.....



50. (a) State any **two** effects of alcohol to an individual.

(i)

(ii)

(b) Give any **two** ways in which a health worker uses alcohol.

(i)

(ii)

51. (a) Give any **one** example of an alloy.

.....

(b) How does painting metals prevent them from rusting?

.....

(c) Apart from alloying metals, state any **two** ways of conserving non-renewable resources.

(i).....

(ii).....

52. (a) Apart from moving animals, mention any **two** other agents of soil erosion.

(i)

(ii)

(b) State any **two** ways of controlling soil erosion in hilly areas.

(i)

(ii)



53. (a) Mention any **two** examples of water cleaned diseases.

(i)

(ii)

(b) Give any **two** ways of preventing water cleaned diseases.

(i)

(ii)

54. (a) How are the following materials useful in the promotion of personal hygiene?

(i) Nail cutter

.....

(ii) Sponge

.....

(b) Give any **one** disease that can spread due to poor personal hygiene.

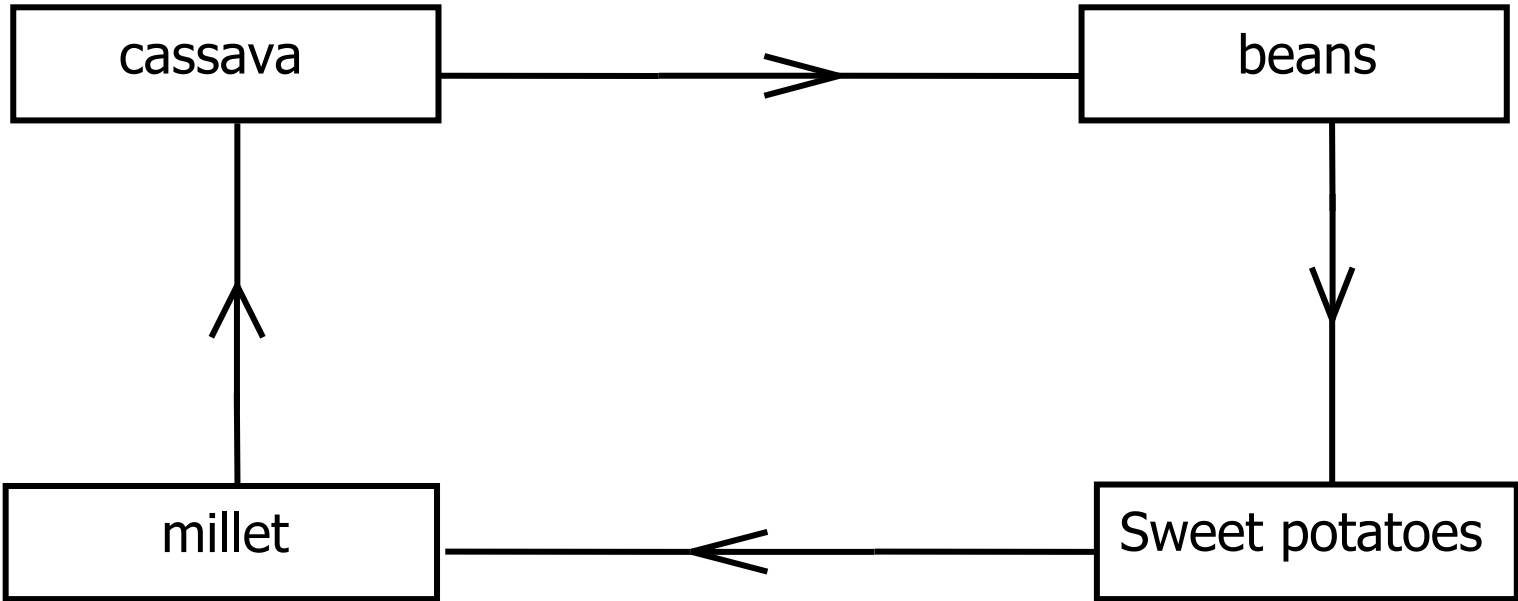
.....

(c) How does regular bathing help to promote personal hygiene?

.....

.....

55. The diagram below shows a farming practice. Use it to answer the questions that follow.



- (a) Name the farming practice shown above
.....
- (b) How does the above farming practice help to control pests?
.....
.....
- (c) Apart from controlling crop pests, State any **one** other advantage of the above farming practice.
.....
- (d) Why are beans included in the above farming practice?
.....



