

BUKEDDE PRE-PLE EXAMINATIONS

SET 1

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.

Random No.	Personal No.

Candidate's Name.....

Candidate's Signature

School Random Number

District Random Number

Read the following Instructions carefully:

1. The Paper has two sections A and B

Section A has 40 questions and section B has 15 questions

2. All answers to both Section A and B must

be written in the spaces provided,

3. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.

4. Unnecessary changes in your work may lead to loss of marks.

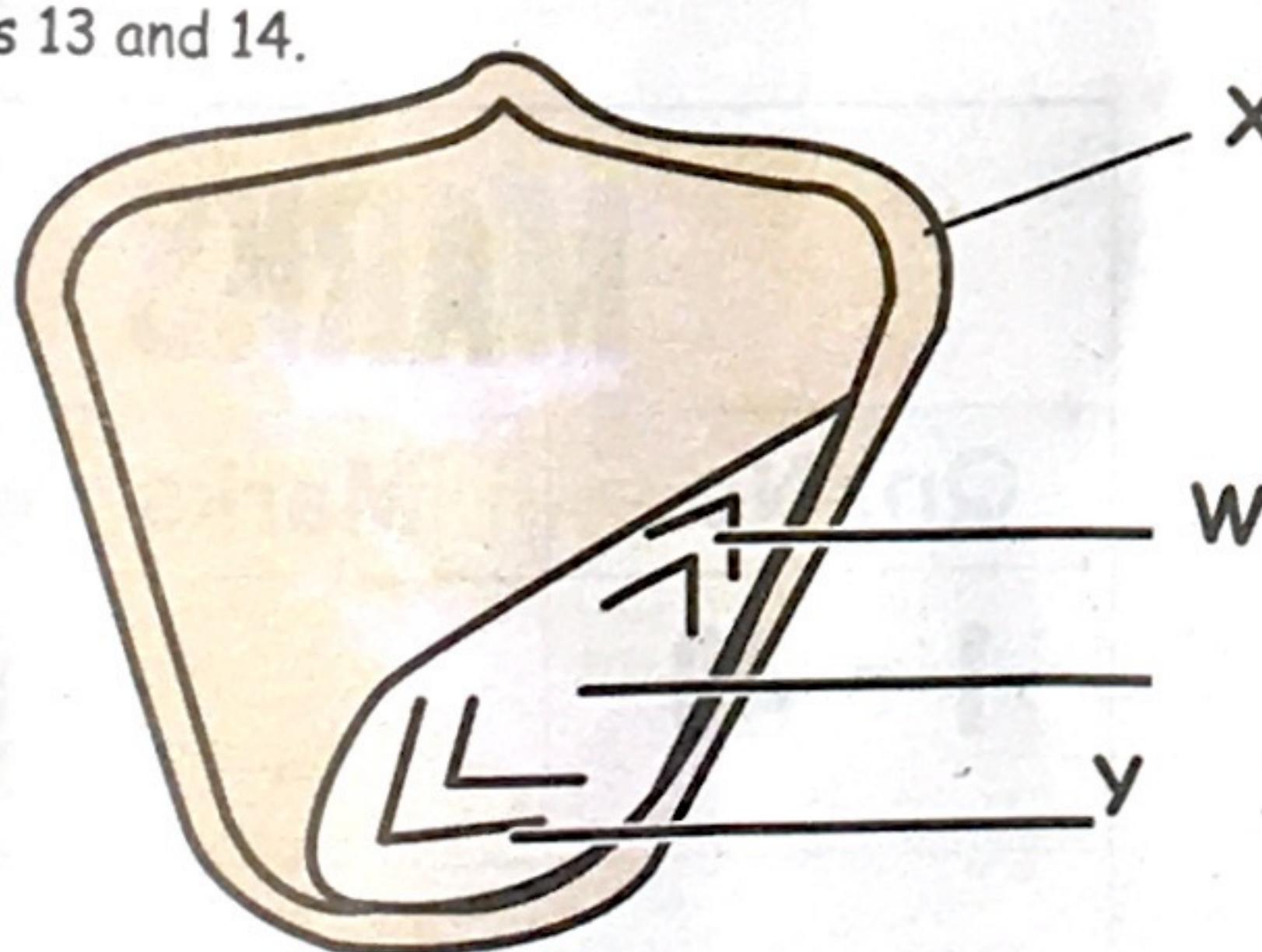
5. All handwriting that cannot be easily read may lead to loss of marks.

MARKS	
Qn. No.	Marks
1 - 40	
41 - 55	
TOTAL	

SECTION A

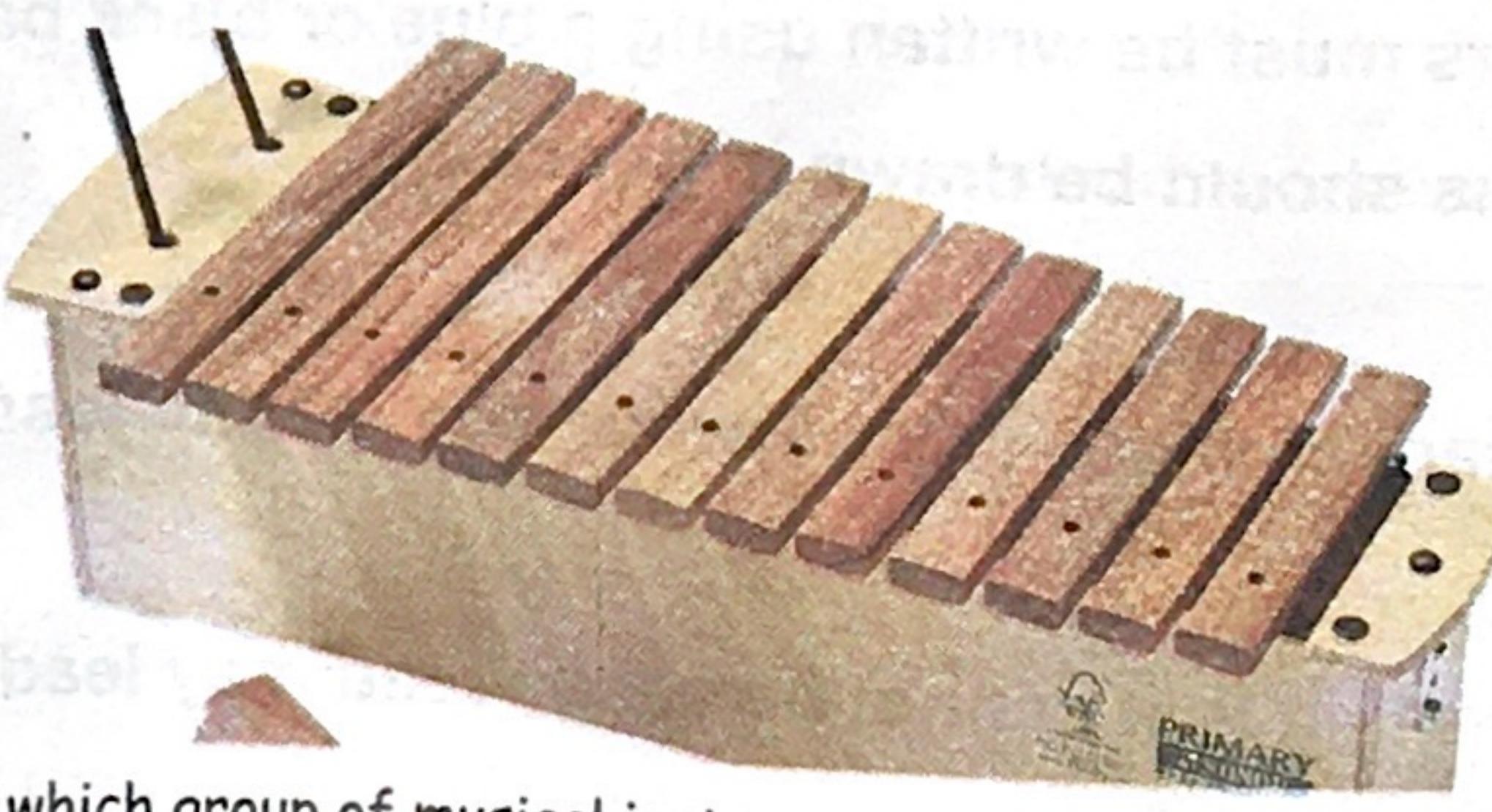
1. Name the sense organ for hearing.
2. Give one material we use to keep our body clean.
3. Which type of cattle is used for ploughing?
4. Name the type of movable joint found at the wrist.
5. Give a reason why the ileum is adapted to absorption of digested food.
6. In which way are earthworms friendly to a crop farmer?
7. Draw a tool used for transplanting.
8. What could be the major aim of giving First Aid to casualties?
9. Why is diarrhea taken as a communicable disease?
10. Besides homosexuality, give another sexual deviation common in our communities.
11. Which body organ regulates the amount of blood glucose in humans?
12. Give one cause of ectopic pregnancy in women.
15. Why are football players encouraged to drink adequate amount of water?
16. Give one requirement for the extraction of honey.
17. Why are the fangs of snakes hollow?
18. Give one skeletal disease that is caused by a germ.
19. Why are vaccines regarded as an essential drugs?
20. Give one element of weather necessary in the preservation of cereals.
21. How are bats different from a duck billed platypus in their way of reproduction?
22. What is the use of rings of cartilage in the trachea of birds?
23. Name the component of blood which prevents entry of germs through wounds.
24. Which body organ filters blood that moves around the body?
25. Where does fertilisation take place in the reproductive system of a cow?
26. Give one example of a fungal skin disease in human beings.
27. Which mineral in toothpaste makes the enamel of teeth resistant to decay?
28. Name one breed of goats kept for meat production.

Use the diagram below to answer question 29.



13. Name part marked X

14. How is the function of Part W important to the above grain?

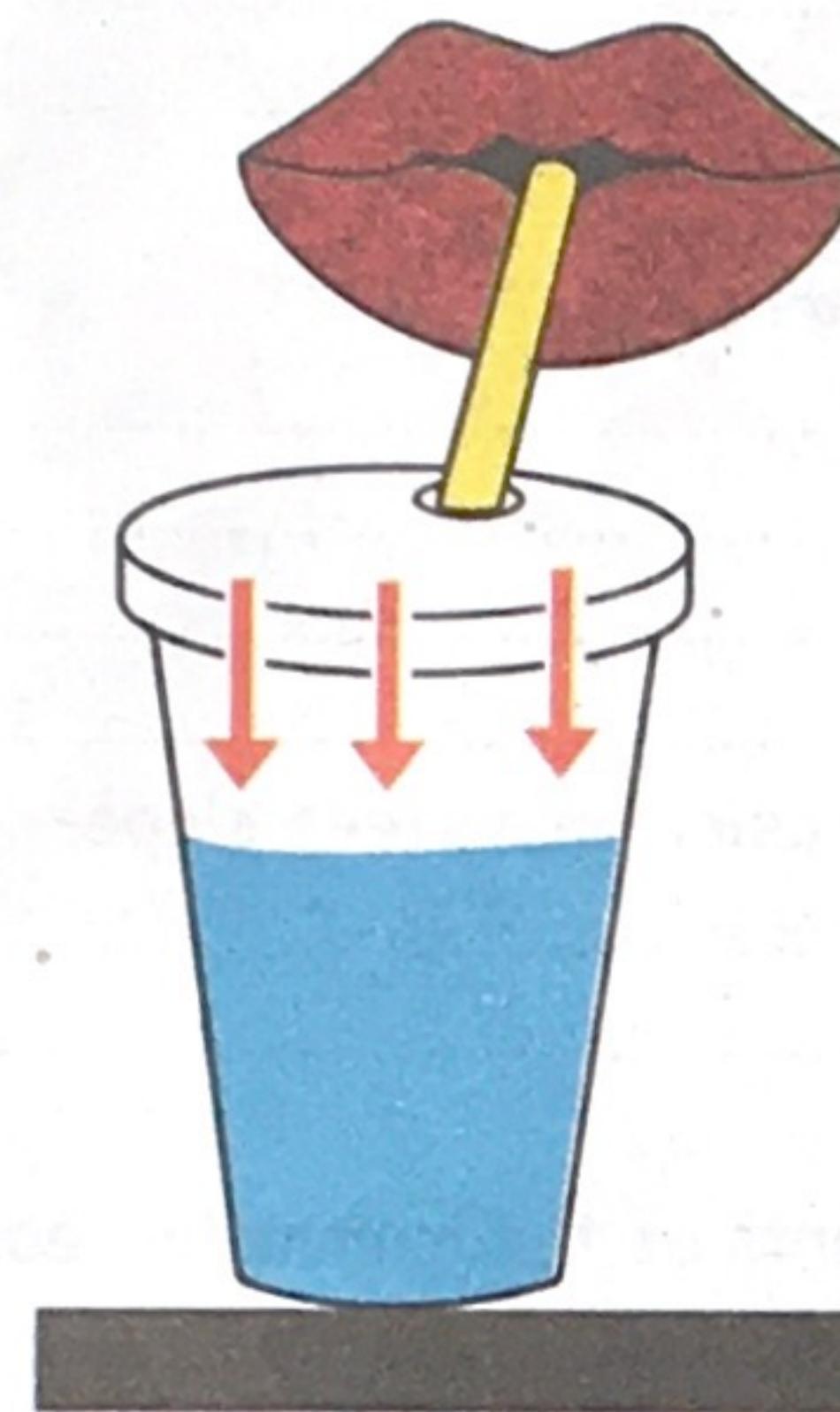


29. To which group of musical instrument is the above instrument?

30. Why is water regarded as a renewable resource?

31. How are PIASCY messages important to adolescents?

34. Which property of air is illustrated in the diagram below?



32. Mention one crop which undergoes cross pollination.

33. How does rotting help in the spread of germs?

35. Why is a thermos flask able to keep hot things hot and cold things cold?

36. State one condition that causes sicknesses at home.

37. What is the effect of pests on vegetable crops?

38. Why is carbon dioxide used in fire extinguishers?

39. Why do builders put ventilators on houses?

40. Give one way one can promote personal hygiene.

SECTION B

41. (a) Mention any two secondary sex characteristics common in adolescent boys and girls.

i) _____

ii) _____

(b) State any two disadvantages of early pregnancy to an adolescent girl.

i) _____

ii) _____

42. The table below shows animals, diseases and their causative agent.

Study it carefully and fill in the gaps.

Disease	Animal attacked	Germ
a. Anthrax	Cattle	-----
b. -----	Poultry	Protozoa
c. Scabies	-----	-----

43. a) What is an enzyme as used in digestion?

b) Name the two enzymes found in the stomach.

i) _____

ii) _____

c) Give one reason why digestion of carbohydrates begins from the mouth.

45. Use the list of invertebrates below to answer the questions that follow.

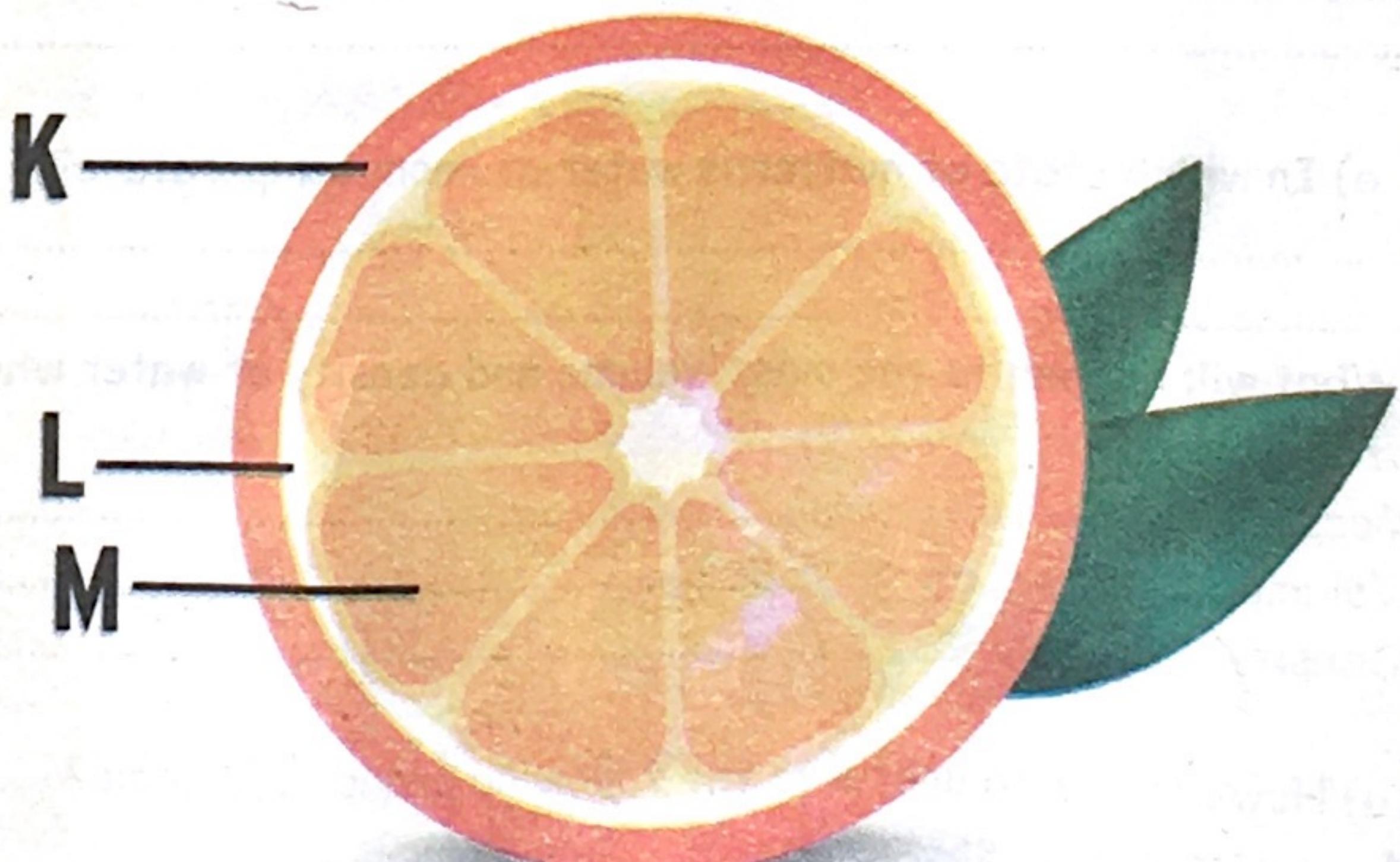
Crab, Mosquito, Millipede, Centipede, Cockroach

a) To which group of invertebrates is a cockroach?

b) Why would you put a millipede together with a centipede?

c) How is a mosquito dangerous to human life?

44. The diagram below shows a type of fruit. Use it to answer the questions that follow.



a) What type of fruit is shown above?

b) Name the parts marked K and L

K _____

L _____

c) State the economic importance of fruits to people.

PRE-PLE EXAM SET 1

46. a) What is an anti-social behaviour?

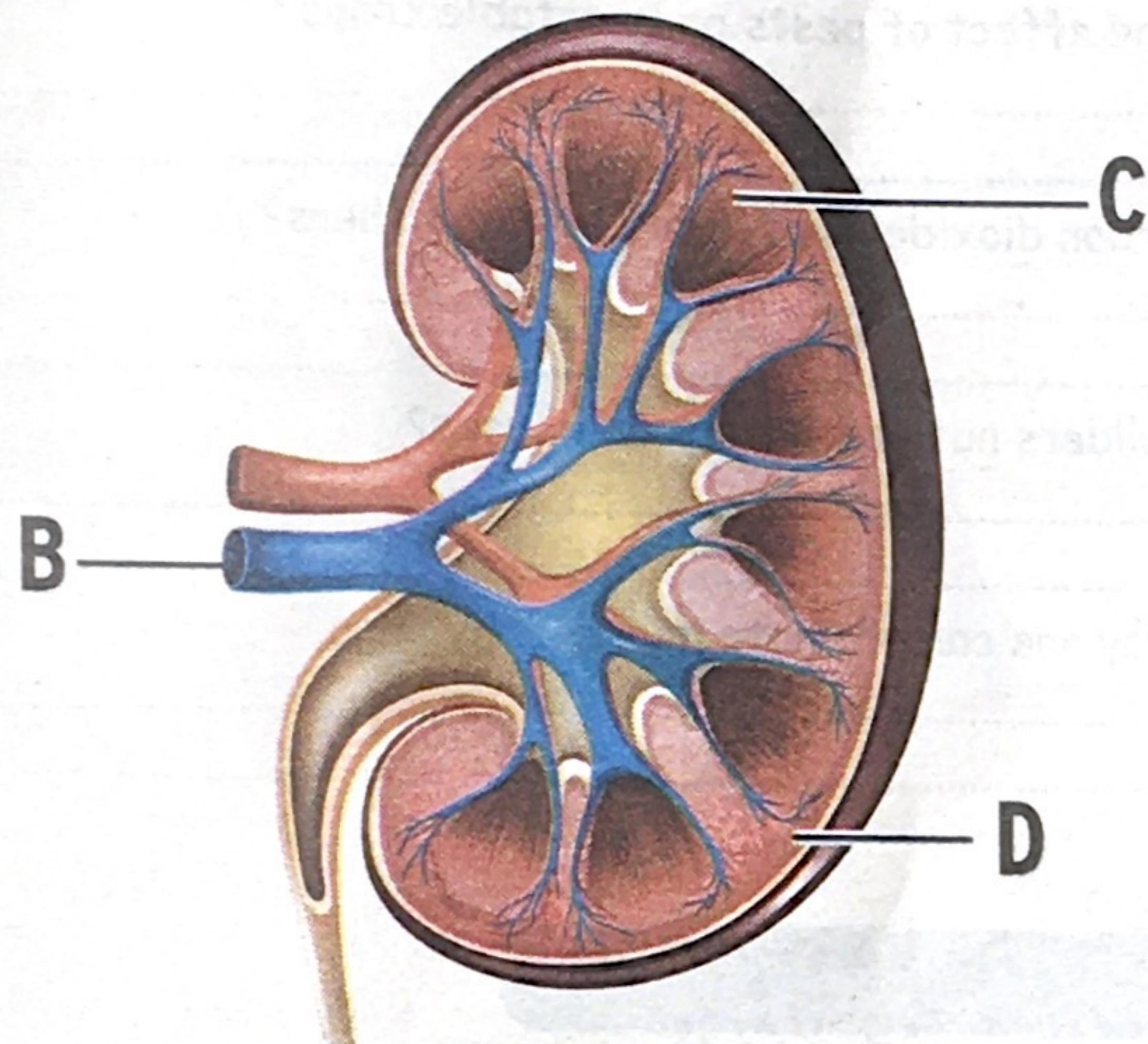
b) Give any two types of anti-social behaviours in a society.

i)

ii)

c) Mention any one cause of anti-social behaviours in society.

47. Study the diagram of the kidney below and answer questions that follow.



a) Name parts marked C and D

C :

D :

b) State the function of part marked B.

c) To which body system does the organ above belong?

48. a) In which state of matter is water at room temperature?

b) What will happen to the mass, volume and density of water when it's frozen to ice?

i) Mass

ii) Volume

iii) Density

49. a) How is friction useful to the following groups of people?

i) A pupil writing a test.

ii) A man riding a bicycle.

b) Give two reasons why friction is at times called a nuisance force.

i)

ii)

50. a) Give the function of the following in an electric circuit;

i) Fuse:

ii) Switch :

b) State two causes of short circuits.

i)

ii)

51. a) How do the following cause soil erosion?

i) Deforestation:

ii) Overcultivation:

b) Give two ways of controlling soil erosion on a steep slope.

i)

ii)

52. a) State the function of these parts of the mammalian ear.

i) Pinna:

ii) Auditory nerve:

b) Apart from hearing, mention one other function of the ear to people.

.....

c) Why are we advised to clean the ears with soft materials?

.....

53. a) State two materials that can be used to make biogas.

i)

ii)

b) Give two ways the use of biogas is environment friendly.

i)

ii)

54. a) By what process does heat travel through a vacuum?

.....

b) State any two effects of heat on matter.

i)

ii)

c) How is heat energy useful in our daily life?

.....

55. a) What is a food chain?

.....

b) Give the difference between primary consumers and secondary consumers.

.....

c) Give two examples of decomposers in a land food chain.

i)

ii)