

PSET PLE 2003 EXTRACT

PUPIL'S COMPLETE INDEX NUMBER				
Province/City	District	Sector	School	Pupil
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PUPIL'S FULL NAME				
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SECTION A

1. Mammals have five senses. Match the organs in list A with the corresponding sense in list B

List A

Nose

Tongue

Eye

Ear

List B

Sight

Smell

Taste

Feeling

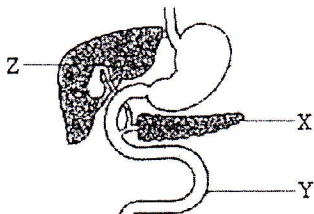
Hearing

2. Plants have three main parts, roots, stem and leaves.

(a). Name one example of a plant whose roots are food to people.

(b). Name one example of a plant whose stem is food to people.

3. The diagram below shows part of alimentary canal of a person.



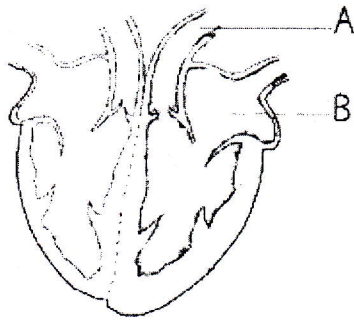
(a). Name the organs labelled X and Y.

X is -----

Y is -----

(b). What is the use (function) of Z?

4. Study the diagram below of the human heart and answer the questions after it.



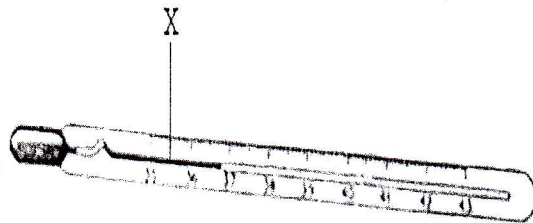
(a). Name the parts labelled A and B.

A is _____

B is _____

(b). The blood pumped by the heart to the whole body contains red blood cells and white blood cells. Which of the two types of cells defends the body against dangerous microorganisms? _____

5. The diagram below shows an important instrument.



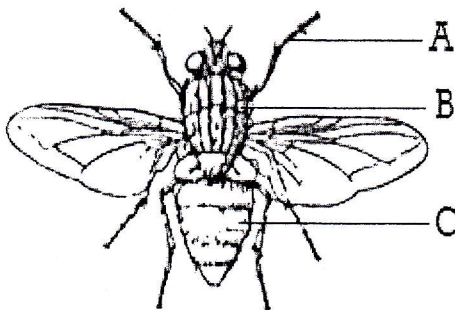
(a). What is the name of the instrument?

(b). Name the liquid in the narrow tube X

(c). What is the use the instrument?

6. State three biological differences between a plant and a stone.

7. The diagram below shows some parts of a house fly.



(a). Name the parts labelled A, B and C.

A is _____

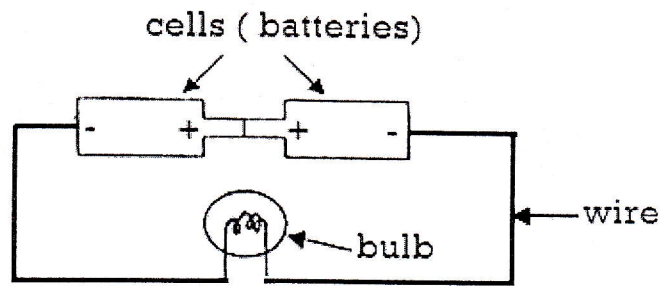
B is _____

C is _____

(b). Name one disease spread by house flies.

(c). State one thing you can do so as to avoid the disease.

8. The diagram below is of a simple electric circuit.

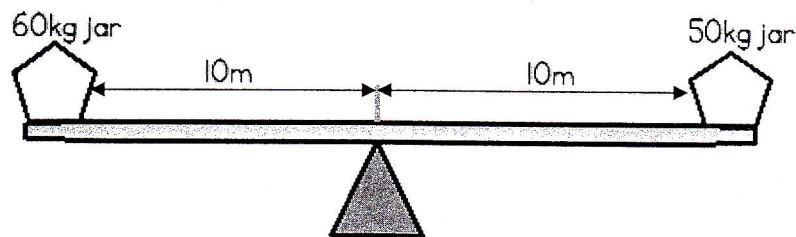


(a). What is the use of the wire?

(b). Will the bulb show light?

9. When it is raining, people see lightening before they hear thunder. Why?

10. The diagram below. is a lever system. Each jar is placed 10 m from the pivot A.



(a). Which of the two jars will push the lever down?

(b). What would you do so that the lever stays horizontal?

11. (a). State three important tools that are used in farming.

(b). If you are advised to keep only one cow that produces a lot of milk for selling, which type of cow would you keep?

12. Maize is grown in many parts of the world because it is used in many ways by people. State three ways you can prepare maize to feed yourself.

13. People say that AIDS is a killer disease when you have it. State two pieces of advise you would give to your friends so that they never get AIDS.

14. Give two reasons why soil erosion is very dangerous.

15. Match the diseases in list A with the cause of the disease in list B.

List A

List B

a. Malaria

sharp objects

b. Dysentery

Mosquitoes

c. Wounds

coldness

d. Pneumonia

drinking dirty water

From the questions 16 to 22, answer **True** if the statement is correct and answer **False** if the statement is wrong.

16. A person sees his image in a mirror because of reflection.

17. An echo is a refraction of sound.

18. Similar poles of two magnets can attract each other.

19. We get heat from the sun through conduction of heat.

20. The fertilized egg of a mammal is called a zygote.

21. A stone sinks in water because the density of a stone is greater.

22. Matter exists in two states.

SECTION B

23. Where in the human body does fertilization take place?

(b). What is the gestation period of man?

24. Complete the table below.

Mass	Volume (cm ³)	Density (g/cm ³)
3.6	-----	1.8
-----	6	22.3

25. (a). What does the term dehydration mean?

(b). What are the two major causes of dehydration?

(c). Give two common causes of dehydration in children.

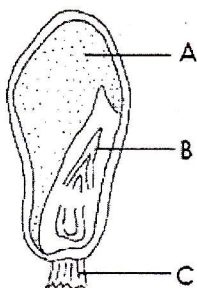
26. (a). In which part of the alimentary canal of human beings does digestion begin? -----

(b). What enzyme acts on fats in the duodenum?

(c). Give one process that takes place in the ileum

(d). Identify one disorder of the digestive system.

27. The diagram below is of a maize grain. Study it and answer questions that follow



(a). How is part **C** useful to the grain?

(b). What does part marked **B** become after germination?

(c). What is the importance of part marked **A**?

28. Suggest any two reasons why physical exercises are important to our bodies.

29. Name the structures that attach;

(a). Bone to bone -----

(b). Bone to muscle -----

30. (a). Why is the handle of an iron box made of wood or plastic?

(b). By what process does heat from the iron box reach the user's body?

31. (a). What do you understand by leguminous crops?

(b). State any two examples of leguminous crops.

32. Name three things required by leaves for the process of photosynthesis to take place.

33. (a). What are STDs?

(b). Give two examples of STDs.

(c). State any one way how STDs can be controlled.

34. (a). What is the reproductive part of a plant called?

(b). State any two uses of roots to a plant.

35. Give an example of animals which breathe through;

Lungs -----

Skin -----

Lungs and skin -----

Gills -----

36. Define the following terms;

Pollination

Cross pollination

Self pollination

37. Differentiate between vertebrates and invertebrates

38. Write down any three functions of the skeleton.
