	Scie	ssment 2 – 2004 ence hary 4	
Name :		) Date : 25 August 2004 Parent's Signature	a
Class: Pri. 4 (	)		
	2	Marks : 100	
Time : 1h 30 m	1in -		ین سال کامی اور سازمان این از در این
<ul> <li>Orstical Answe</li> </ul>	× 2 marks) 1 to 25, choose the most suitable er Sheet (OAS) provided. , 1 of the following animals have s		¥ -
B: n C: d	eetle nosquito Iragonfly grasshopper		
(2) I (3) (	A and B only B and C only C and D only A, C and D only	· · ·	
2 Wha	t is the correct order of the devel	opment of a balsam seed to a ba	Isam plant?
(1)	seed shoot root	> flower> fruit .	· - ·
(2).	seed> flower> frui	t> root> shoot	• • •
(3)	the second second	f. fruit flower	
(4)	seed — root — shoot	flower fruit .	
3. Wł	nich set of plants reproduces by s	eeds?	
(1) (2)	hibiscus and garlic tomato and rambutan lady's finger and tapioca		•

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Mrs Tan noticed that the cake had turned very mouldy. Which senses did she use?

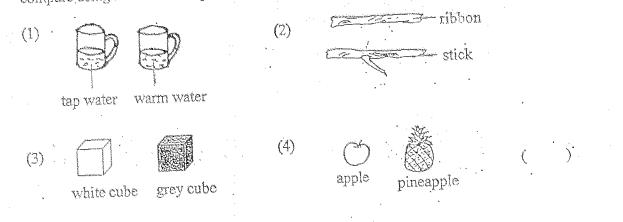
A: smell

4.

5.

- B: touch
- C: taste
- D: sight
- (1) Bonly
- (2) A and C only
- (3) A and D only
- (4) B, C and D only

Ahmad wants to compare four different sets of items. In which set will he <u>not</u> be able to compare using his sense of sight?



6.

7.

Which of the following statements are true about the human digestive system?

- A: Food is not digested in the gullet.
- B: There is no digestive juice in the mouth.
- C: Food is digested completely in the stomach.
- D: The large intestine is shorter than the small intestine.
- E: Inside the large intestine, most of the water from the undigested
- food is absorbed by the body.
- (1) A and B only
- (2) C and E only
- (3) A, D and E only
- (4) B, C and D only

Yihao is folding a paper aeroplane. He has to use his \_\_\_\_\_ joints.

- (1) finger and wrist
- (2) wrist and elbow
- (3) finger and elbow
- (4) shoulder and wrist

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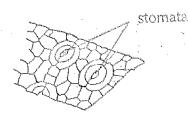
Ì

Which organs are protected by the part of the skeleton shown below?

- A: liver

8.

- B: heart
- C: lungs
- D: kidneys
- E: stomach
- (1) A and B only
- (2) B and C only
- (3) A, C and D only
- (4) B, C and E only
- 9. The diagram shows part of a leaf seen under a microscope. Which statements about the stomata are correct?

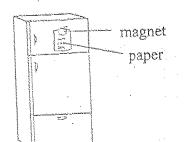


- A: They take in only carbon dioxide.
- B: They absorb sunlight for the leaf to make food.
- C: They are mostly found on the underside of the leaf.
- D: They allow excess water vapour to escape through them.
- (1) A and B only
- (2) A and D only
- (3) B and C only
- (4) C and D only

# 10. Which of the following does not cause water pollution?

- (1) Littering of beaches.
- (2) Oil spills from ships.
- (3) Dripping of water from taps.
- (4) Dumping of waste products into water.

012/2004/200830f16 **WWW.MISSKOh.COM**  1. The picture shows a piece of paper attached to the door of a refrigerator by a magnet.



The paper does not drop because the

- (1) paper is a magnetic material
- (2) paper is magnetized by the magnet
- (3) paper is glued to the door of the refrigerator
- (4) door of the refrigerator is made of a magnetic material

12. Which of the following are not appropriate ways to conserve water?

- A: Drink less water.
- B: Turn off the taps fully,
- C: Have a shower instead of a bath.
- D: Make proper use of half and full toilet flushes.
- E: Water the plants with water that has been used for washing clothes.
- (1) A and B only
- (2) A and E only
- (3) C and D only
- (4) C, D and E only

5 cubes of ice are added to a glass of water. After some time, the water in the glass will change in \_\_\_\_\_\_

jonungo im \_\_\_\_

13.

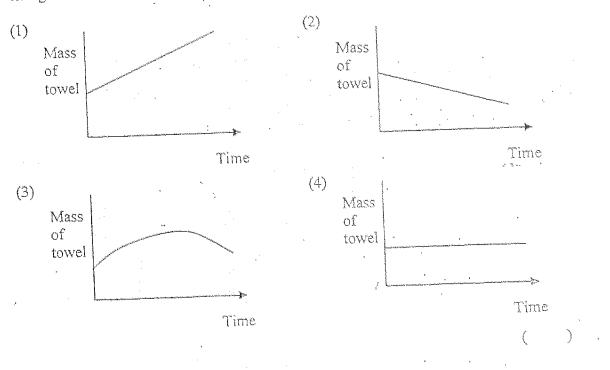
- A: state
- B: shape
- C: volume
- D: temperature
- (1) A and B only
- (2) B and D only
- (3) C and D only
- (4) A, C and D only

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14. A wet towel is left to dry in the sun. Which of the following graphs shows correctly the change in the mass of the towel?



# 15. Which of the following activities will result in the lowest breathing rate?

(1) Drawing a picture.

÷\*\* .

(2) Running a 100-metre race.

(3) Taking a toller coaster ride.

(4) Watching a very frightening movie.

16. The table shows how some living things breathe. Which is wrong?

ĺ	living things	lungs	skin	gills
(1)	whale			· · · · · · · · · · · · · · · · · · ·
(2)	monkey	×		
(3)	penguin	V		····
(4)	earthworm	h	+	<u> </u>

17. Plants need water, \_\_\_\_\_\_ to make food.

(1) oxygen and sunlight

(2) nitrogen and sunlight

(3) carbon dioxide and warmth

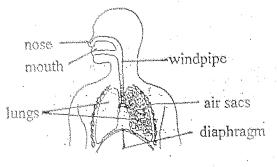
(4) carbon dioxide and sunlight

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The table shows what happens to the movement of our diaphragm, ribs and chest when we breathe in. Which is correct?

		يە ئىلىغان مەلىرىكى <u>بەر بەر بەر بەر بەر بەر بەر بەر بەر بەر </u>	in the second se	
	movement of ribs	movement of diaphragm	chest	
m	out and upwards	upwards	contracts	(
(2)	out and upwards	downwards	expands	
(2)	in and downwards	upwards	contracts	
(3)	in and downwards	downwards	expands	}
1 * /	I and encounter the second sec			

Which of the following are the functions of the blood?

A: It keeps the heart pumping.

B: It excretes waste materials from the body.

C: It carries nutrients and waste matter in the body.

D: It carries oxygen and carbon dioxide in the body.

(1) A and B only

(2) B and C only

(3) C and D only

(4) B, C and D only

20. Study the food chain below.

grass ----- bird -

Each arrow represents "is eaten by ". Which statement about the food chain is false?

(1) The grasshopper uses the energy from the grass to make food.

- (2) Energy from the grass is passed on to all the animals.
- (3) The bird gets its energy from the grasshopper.
- (4) Without the grass, all the animals will die.

}

C

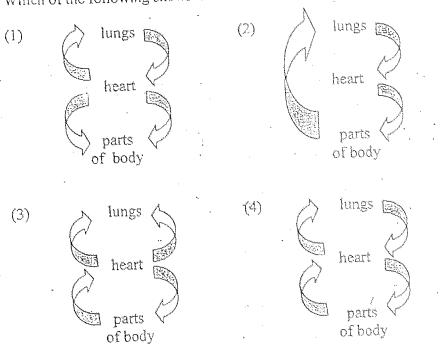
→ snake

18.

19.

21.

Which of the following shows the correct flow of blood in man?



22.

All living cells carry out respiration. Which of the following occurs during respiration?

÷	E Production de la companya de la co	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
ſ	food	oxygen	carbon dioxide
m	is formed	is released	is taken up
(2)	is formed	is taken up	is released
(2)	is broken down	is released	is taken up
(3) (4)	is broken down	is taken up	is released

23.

Ravi made some statements about the Sun. Which of the statements are true?

A: The Sun gives us warmth.

B: There will be no water cycle without the Sun.

C: Too much sunlight is harmful to our skin only.

D: Animals can make food using light from the Sun.

- (1) A and B only
- (2) A and C only
- (3) C and D only
- (4) B, C and D only

?

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24. Which of the following has the biggest volume?.

- (1) 200 g of rice
- (2) 200 g of sand
- (3) 200 g of plasticine
- (4) 200 g of cotton wool

25. The diagram shows the transfer of energy from the Sun to the animals.

Sun  $\longrightarrow$  P  $\longrightarrow$  chicken  $\longrightarrow$  Q  $\longrightarrow$  R

Which of the following identifies P, Q and R correctly?

			· · · ·
	P	Q	R
(1) .	grass	man	tiger
(2)	com	snake	cagle /
(3)	com	goat	lion
(4)	seaweed	fish	kingfisher

For questions 26 to 30, please refer to Booklet K.

End of Section A

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## Pei Chun Public School Continual Assessment 2 – 2004 Science Primary 4

Name :		<u></u> (	)	Date : 2	25 August 2004	•
Class : Pri. 4 (	)		• •	Parent'	s Signature :	nanashingkan nga kana kana kana kana kana kana
Science Teacher :	<u></u>		•		Marks for Section A	60
• Time : 1h 30 min					Marks for Section B	30
:					Marks for Booklet K (excludes Section A Qns. 26 - 30)	10
· · · ·					Total marks	. 100

Section B (30 marks) For questions 31 to 42, write the answers in the spaces provided.

31. Siti described a fruit. "It is green and round. It is very sour."

(a) Which two senses did Siti use to describe the fruit?
(Im)

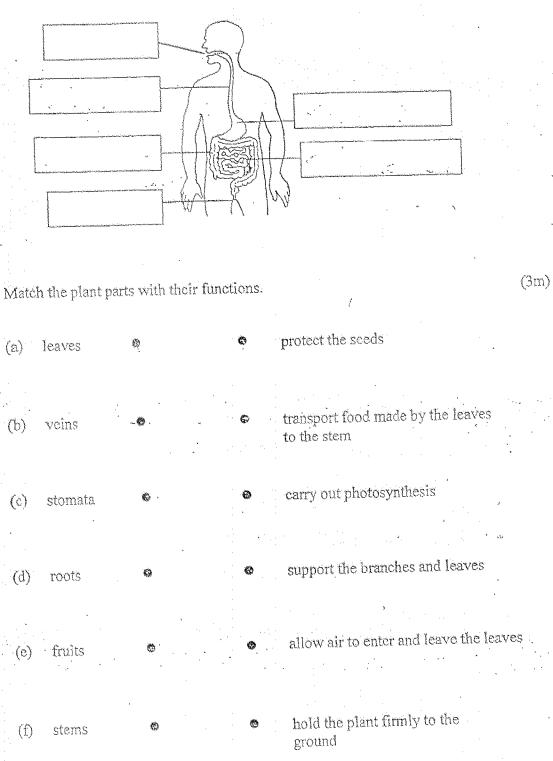
(b) Which is our largest sense organ?

(1m)



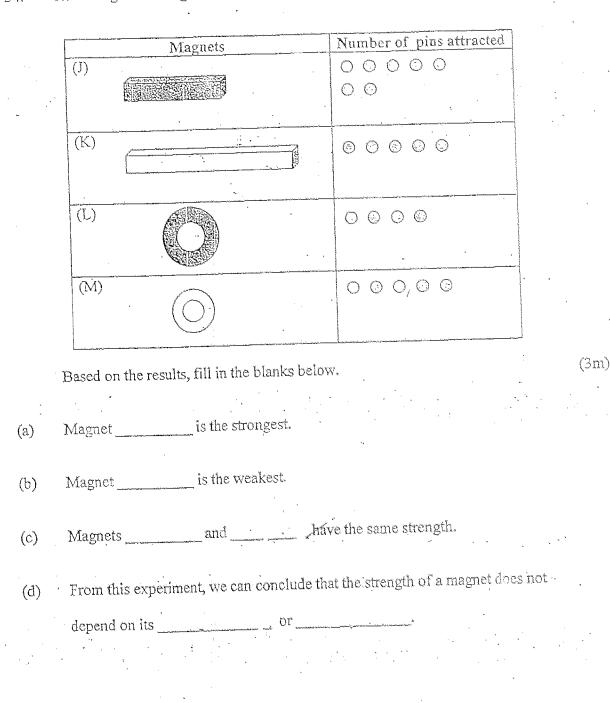
33.

The picture shows our digestive system. Label <u>only</u> the parts where digestion of food takes place.

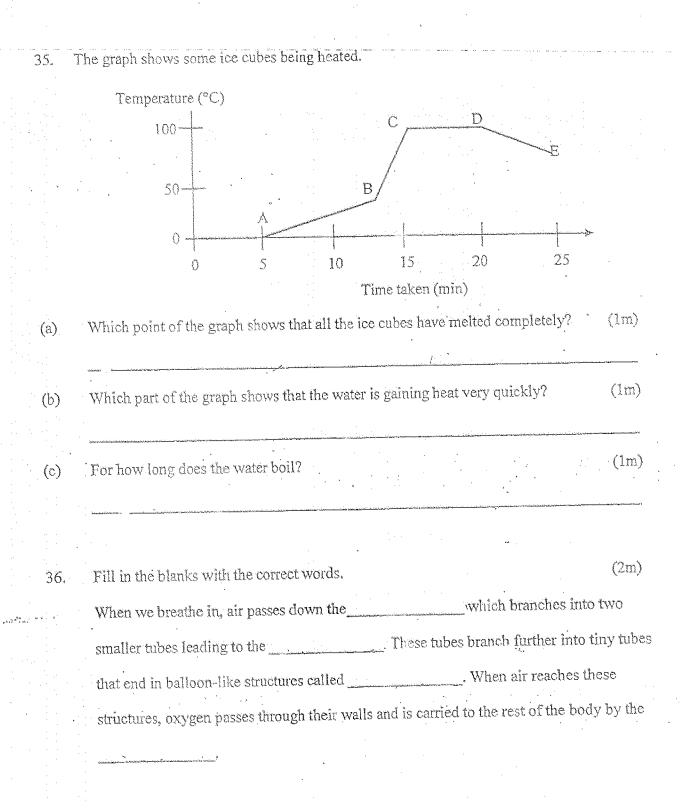


(2m)

34. The strength of 4 magnets are tested and the results shown in the table.



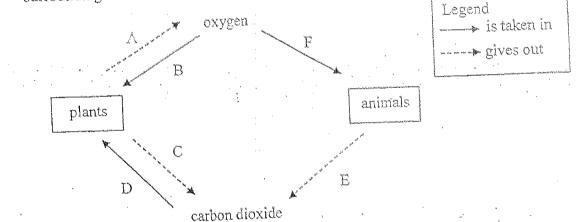
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37. Write 'T' if the statement is true and 'F' if the statement is false in the boxes provided. (2m)

- (a) There is no air in soil.
  (b) Carbon dioxide makes up one percent of the air.
  (c) Bacteria in the soil use nitrogen in the air around them.
  (d) There are more than three gases in the air.
  - 38. The 6 arrows in the diagram show the exchange of gases between living things and their surroundings.



(a) Name the arrows which show a process that takes place all the time. (1m)

(lm)Name this process. (b)

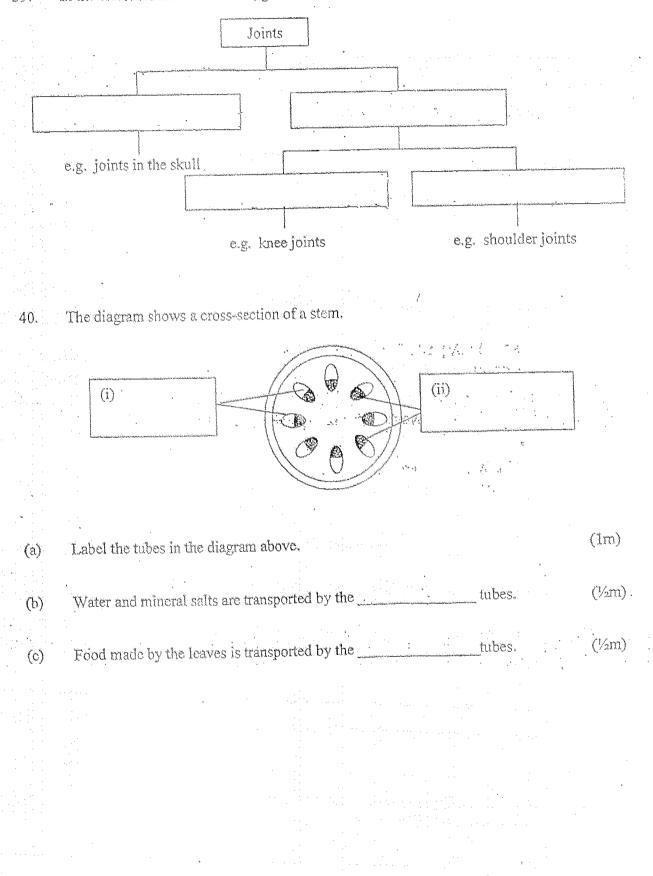
- (c) Name the process represented by D and A.
- (d) Name two conditions <u>not</u> shown in the diagram that are necessary for the process in (c) to take place.

(1m)

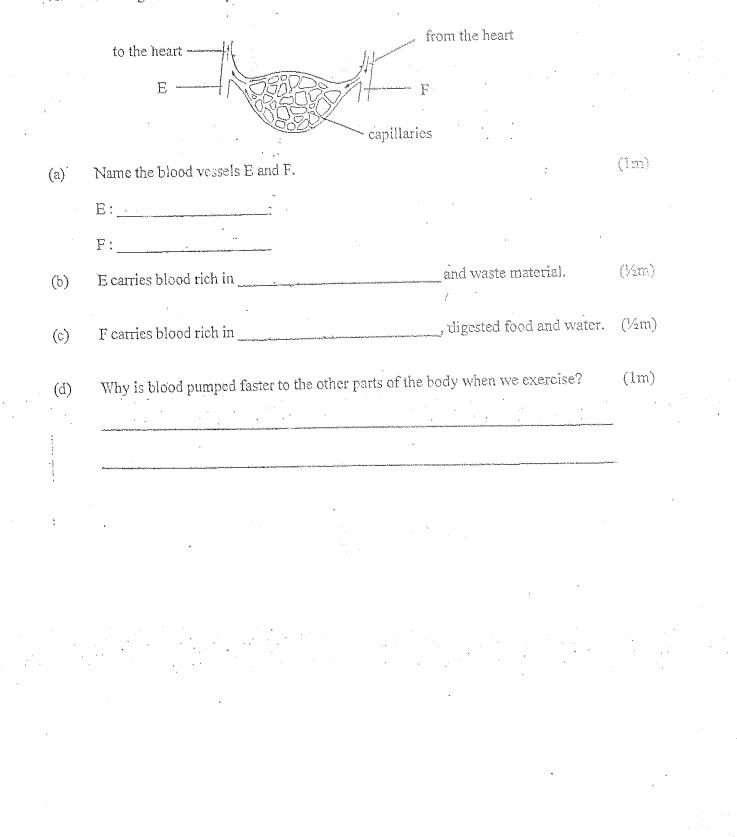
(1m)

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39. In the classification table below, give a suitable sub-heading in each of the boxes. (2m)



41. The diagram shows a part of the circulatory system.

42. An experiment was conducted to find out which brand of batteries was the best. A torch was used to test the life span of the batteries and the results are shown in the table below.

Brand of batteries	Life span of batteries in hours	
A	12.	
<u>B</u>	10 .	
	15	
<u> </u>	14	
Sec.	the second	

Which brand of batteries was the best? (1m)

Į

What must not be changed to ensure a fair test?

(a)<sup>.</sup>

(b) <sup>-</sup>

For questions 43 to 46, please refer to Booklet K. End of Paper

Set by: Mr. Tee L.S. Vetted by: P4 Science Committee Teachers

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(1m)

FEI CHUN PUBLIC SCHOOL CONTINUAL ASSESSMENT 2 - 2004 SCIENCE PRIMARY 4

31) a) The sense of sight and taste 1) 3 28) 2 b) Our skin 2) 4 29)332) 3) 2 30) 1 4) 3 5) 16) 3 33) a) carry out photosynthesis 7) 1b) transport food made by the leaves 8) 2 to the stem. c) allow air to enter and leave the leaves 9) 4 d) hold the plant firmly to the ground .. 10) 3 e) protect the seeds. 11) 4 f) support the branches and leaves. 12) 234):a) J b) L c) K and M 13) 3 d) size and shape 14) 2 35) a) A b) BC c) 5 min 36) windpine 15) 1lungs 16) 1air sacs ·blood 17) 4 37) a) F b) F c) T d) T 18) 2 38) a) BC and EF b) respiration c) photosysthesis  $19)_{3}$ d) sunlight and water 39) immovable joints movable joints 20) 1 - ball and socket joint hinge joints 21) 4ii) xylem 40) i) phloem 22) 4 b) xylem c) phloem 23) 1 41) a) E : vein ) F : artery 24) 4b) carbon dioxide c) oxygen d) To supply more food and oxygen to produce more 25) 2 energy. 26) 3 42) a) C

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