

**ANGLO-CHINESE SCHOOL  
(JUNIOR)**



**CONTINUAL ASSESSMENT 1 (2009)  
PRIMARY 4**

**SCIENCE  
BOOKLET A**

**Tuesday 10<sup>th</sup> March 2009**

**1 hour**

**Name :** \_\_\_\_\_ (      )

**Class :** P 4 \_\_\_\_\_

**INSTRUCTIONS TO PUPILS**

**DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO**

Follow all instructions carefully.  
There are 15 questions in this booklet.  
Answer **ALL** questions.

**INFORMATION FOR PUPILS**

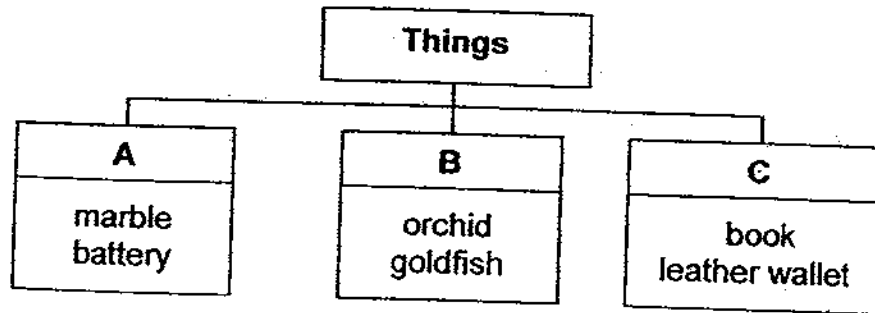
The total marks for this booklet is 30.  
The total time for Booklets A and B is 1 hour.

**This question paper consists of 7 printed pages. (Inclusive of cover page)**

**Section A (30 marks)**

For each question from 1 to 20, four options are given. One of them is the correct answer. Choose the correct option (1, 2, 3 or 4) and shade the correct oval on the Optical Answer Sheet (OAS) provided.

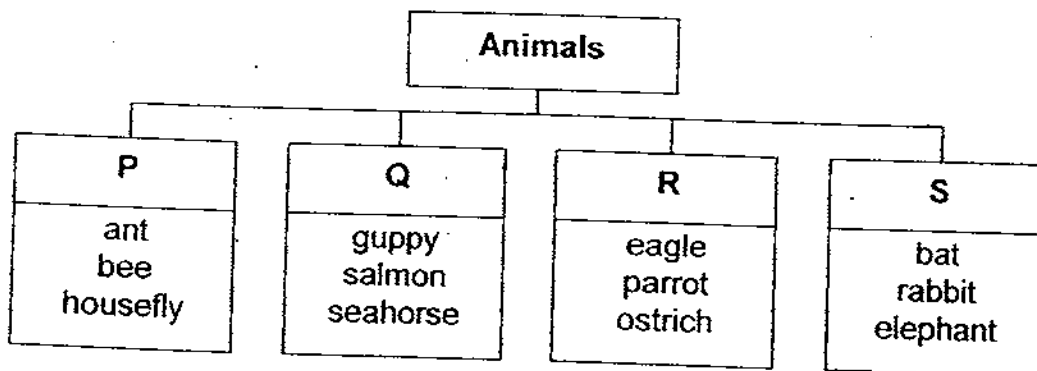
- 1 The chart shows some things which have been classified according to the headings A, B and C.



Which of the following could A, B and C be?

	A	B	C
(1)	Living	Non-living	Once alive
(2)	Once alive	Non-living	Living
(3)	Non-living	Living	Once alive
(4)	Living	Once alive	Non-living

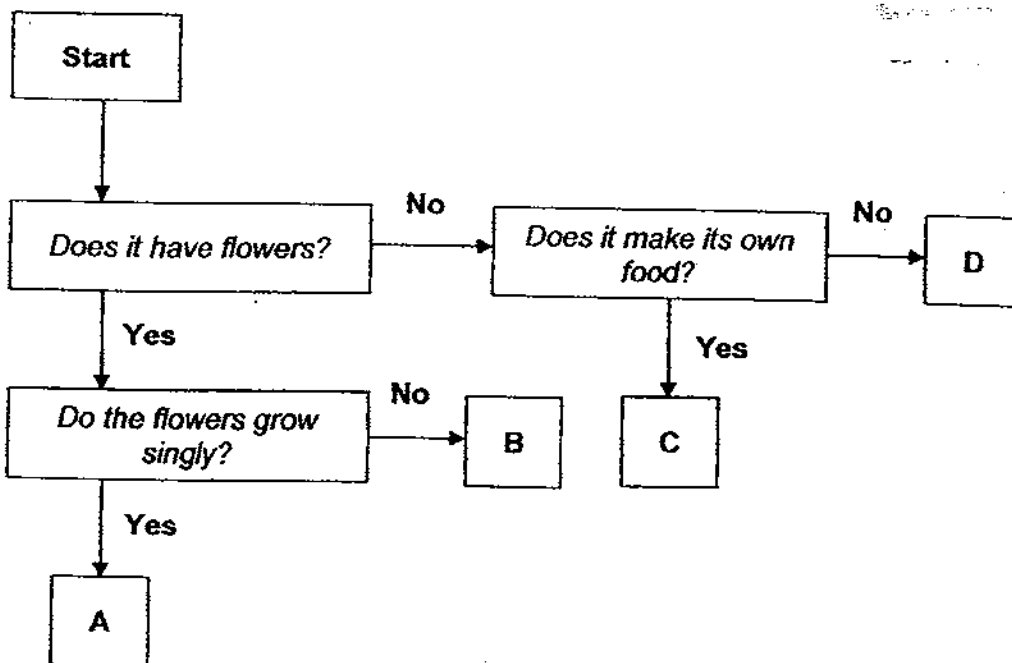
- 2 Study the four groups of animals below.



Which group does platypus belong to?

- (1) P
- (2) Q
- (3) R
- (4) S

3 The diagram below shows a flowchart which can be used to group some plants.



Which letters (A, B, C or D) could be used to represent the Ixora and Boston fern?

	Ixora	Boston fern
(1)	A	C
(2)	A	D
(3)	B	C
(4)	B	D

4 Which statements about fungi are true?

- A Fungi cause food to decay.
- B Some fungi can make their own food.
- C Some fungi can be eaten by humans.

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

5 Dylan was watching television when he heard the doorbell rang. Which sense organ helped Dylan to realise that there was someone at the door?

- (1) ear
- (2) skin
- (3) eyes
- (4) tongue

- 6 When Mrs Tan washes the dirty dishes, the dishwashing liquid causes her skin to become red and sore. In order to protect her hands, she puts on a pair of gloves every time she washes the dishes.



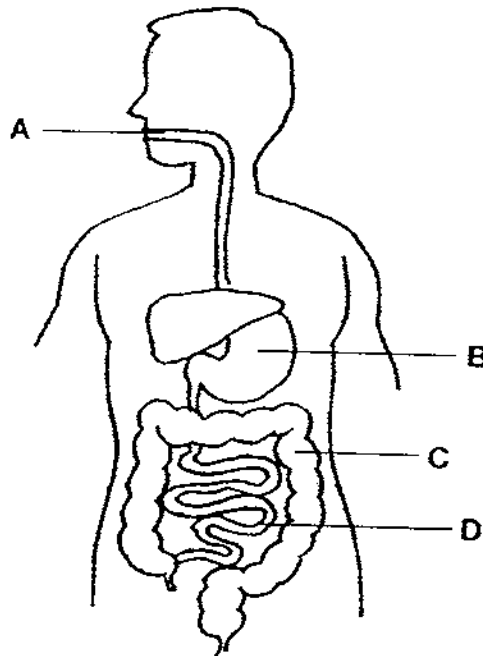
gloves

The gloves are made of rubber because rubber is \_\_\_\_\_.

- A strong
- B flexible
- C waterproof

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

- 7 In which part of the digestive system shown is food broken into smaller pieces?



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

8 The insects below are at the adult stage. Which of them have young that **do not** look like their adult?



A



B



C

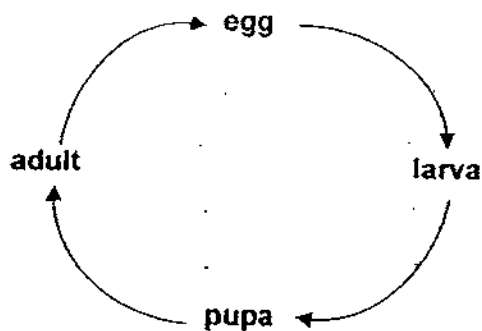
- (1) A and B only
- (2) A and C only
- (3) B and C only
- (4) A, B and C

9 Which of the following statements about life cycles are correct?

- A All life cycles are long.
- B Every living thing goes through a life cycle.
- C There are different number of stages in different life cycles.

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

10 The diagram shows the life cycle of some animals.



Which animal does **not** go through the stages in the life cycle above?

- (1) butterfly
- (2) mosquito
- (3) dragonfly
- (4) mealworm beetle

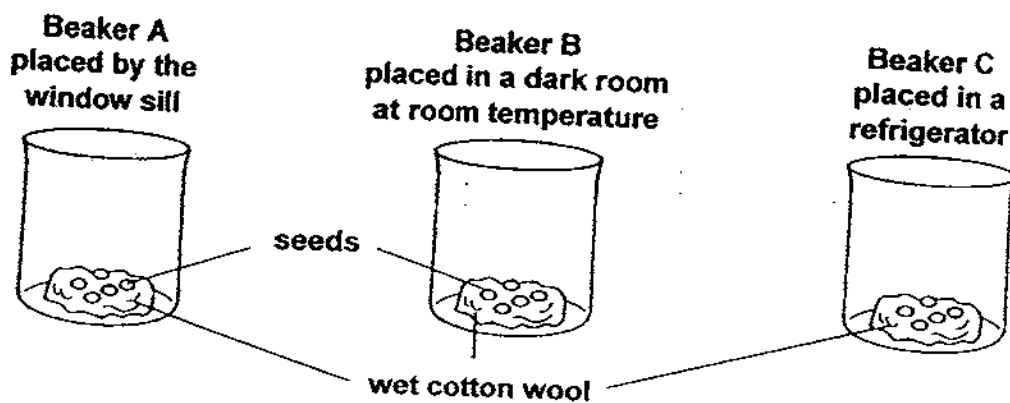
11 Siti was describing a certain animal, X, to John.

Siti: *Its young does not look like its adult. It has three stages in its life cycle. The adult lives on both land and water.*

Based on Siti's description, which animal can X be?

- (1) frog
- (2) duck
- (3) turtle
- (4) crocodile

12 Some seeds are put into beakers and placed at different locations.



In which beaker, will the seeds most likely germinate?

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

13 Marcus accidentally dented a ping pong ball as shown below.

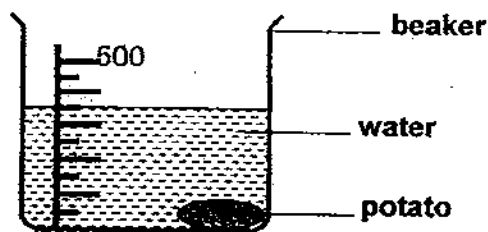


What conclusions can he draw from the above activity?

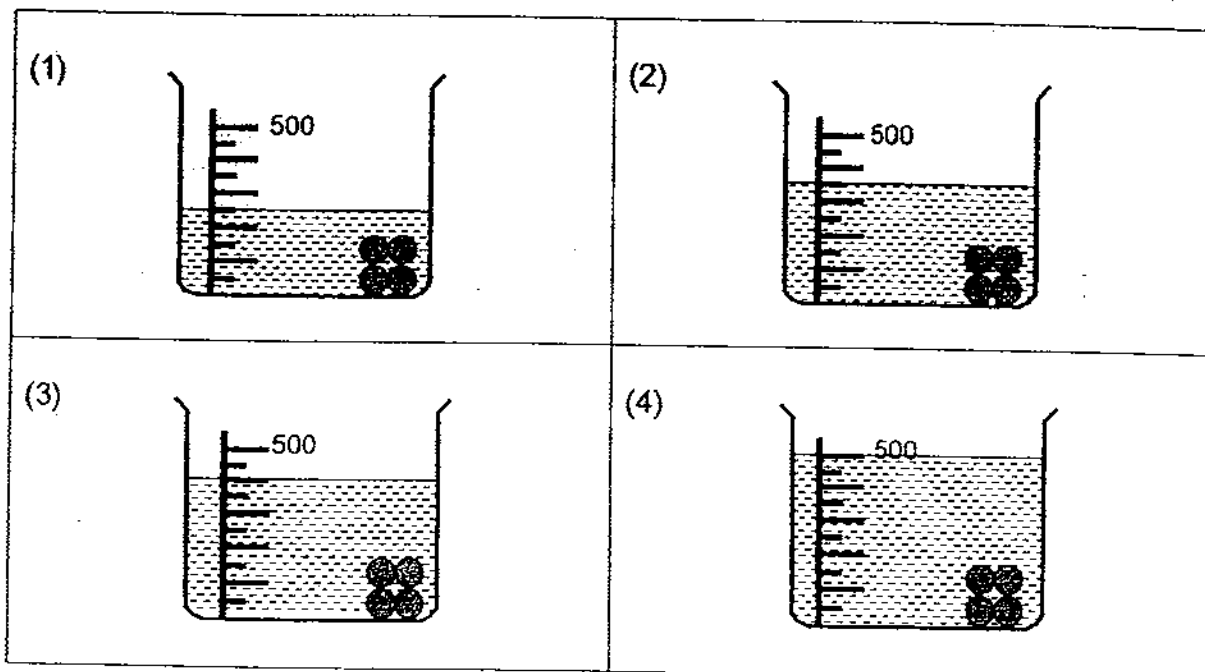
- A Air can be compressed
- B The mass of the ping pong ball is now smaller
- C The volume of the ping pong ball is now smaller

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

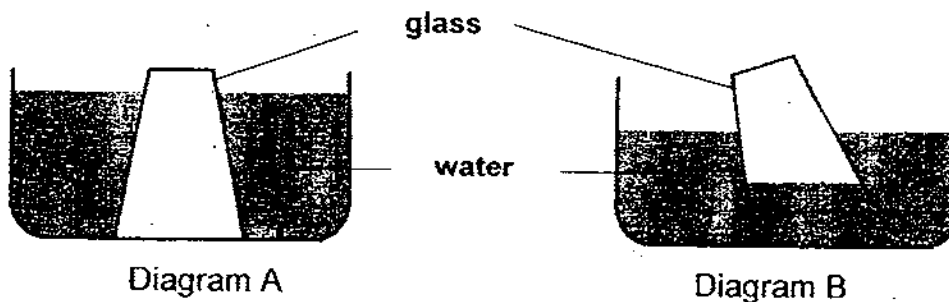
- 14 Joel poured 250ml of water into a beaker. He put a potato into the beaker of water and measured the total volume.



He then took out the potato, cut it into four pieces and put them back into the same beaker of water again. Which beaker shows the correct water level?



- 15 Paul set up the experiment as shown.



When the glass was tilted as shown in Diagram B, water rushed into the glass. What does this experiment show?

- (1) Air has mass.
- (2) Air is colourless.
- (3) Air is all around us.
- (4) Air occupies space.

**ANGLO-CHINESE SCHOOL  
(JUNIOR)**



*Continual*  
**SEMESTRAL ASSESSMENT 1 (2009)**  
**PRIMARY 4**  
**SCIENCE**  
**BOOKLET B**

**Tuesday 10<sup>th</sup> March 2009**

**1 hour**

Name : \_\_\_\_\_

Class : P4 \_\_\_\_\_

**INSTRUCTIONS TO PUPILS**

**DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO**

Follow all instructions carefully.

There are 8 questions in this booklet.

Answer **ALL** questions.

**INFORMATION FOR PUPILS**

The number of marks is given in brackets [ ] at the end of each question or part question.

The total marks for this booklet is 20.

The total time for Booklets A and B is 1 hour.

This question paper consists of 7 printed pages. (Inclusive of cover page)

Booklet	Question Numbers	Possible Marks	Marks Obtained
A	1 - 15	30	
B	16	2	
	17	3	
	18 - 19	4	
	20 - 21	6	
	22	3	
	23	2	
Total for Booklets A & B		50	

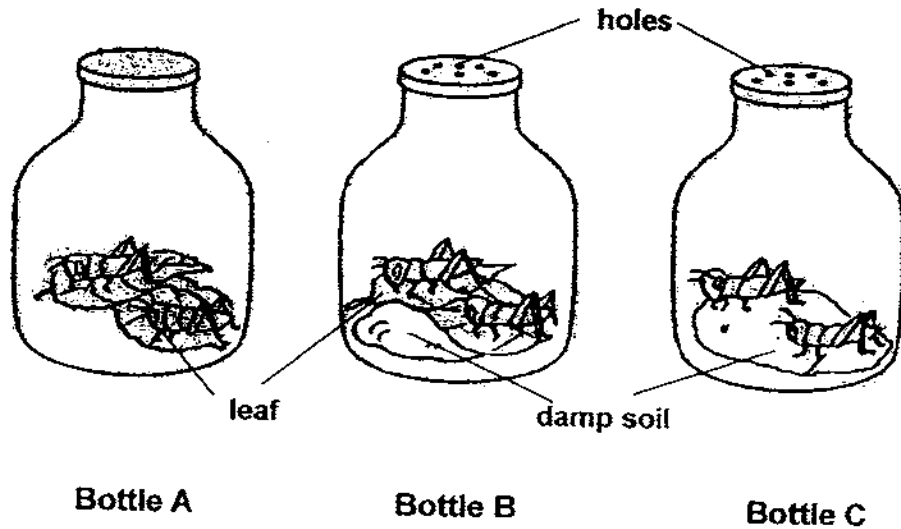
**Parent's Signature / Date:**



**Section B (20 marks)**

For questions from 16 to 23, write your answers in this booklet. The number of marks awarded is shown in the brackets [ ] at the end of each question or part question.

- 16 Andrew set up the experiment shown below. He gave the grasshoppers the same type of leaves and soil.



- (a) The 3 bottles were left in a dark room for 2 weeks. Which bottle would most likely have ~~the~~ grasshoppers at the end of the 2 weeks? [1]

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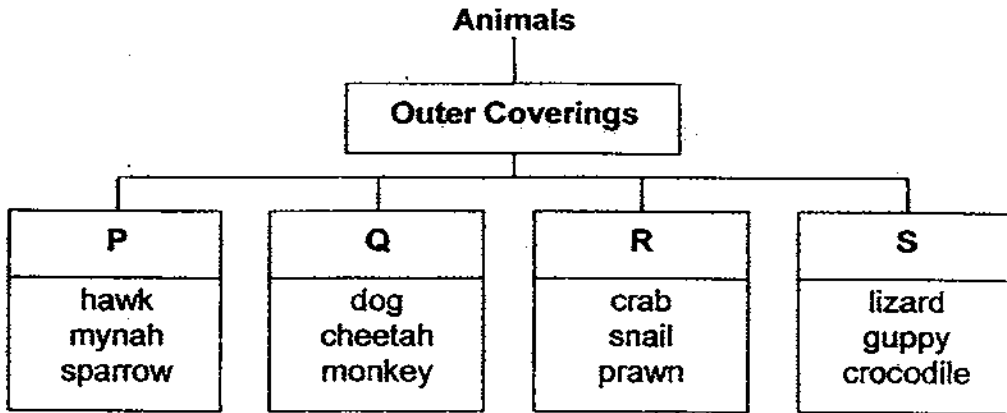
- (b) Explain your answer in (a). [1]

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17 The classification chart shows how some animals can be grouped.



(a) Suggest a suitable heading for each group. [2]

P: \_\_\_\_\_

Q: \_\_\_\_\_

R: \_\_\_\_\_

S: \_\_\_\_\_

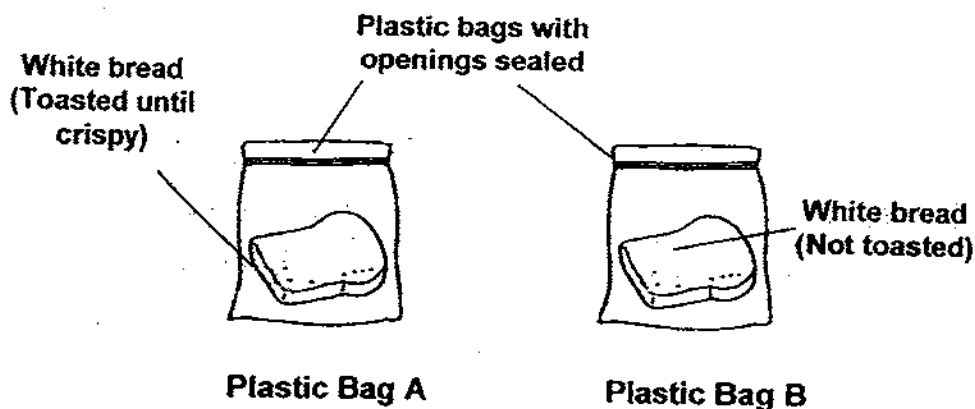
(b) Study **Group S** carefully. The animals in this group can be further classified into 2 groups. Suggest 2 appropriate sub-headings for these groups. [1]

\_\_\_\_\_

\_\_\_\_\_

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18 Aaron set up the experiment as shown.



(a) In which plastic bag, would Aaron observe mould appearing first? [1]

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(b) Why is this so? [1]

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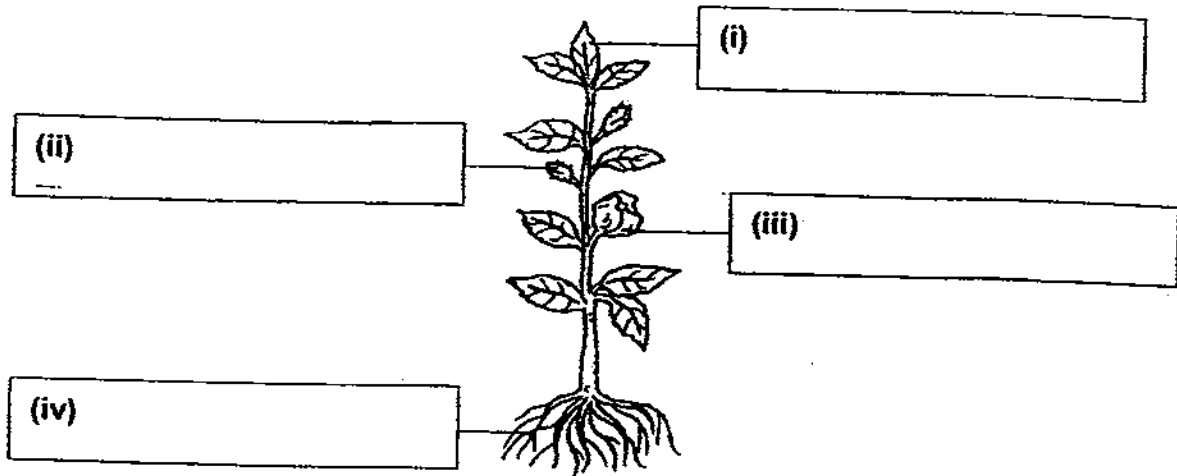


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19 Maggie was given some clues to identify the systems which work closely together. Read the clues given and help Maggie identify the systems. [2]

	Clue	Body Systems
(a)	<i>My partner and I are responsible for a few things. I take charge of gas exchange while my partner is busy making sure that digested food, water, oxygen and waste materials are sent to the correct parts of the body.</i>	_____ and _____
(b)	<i>My buddy and I are also important. We enable different parts of the body to move and also protect the delicate organs in the body. Without us, the body has no firm structure.</i>	_____ and _____

20 The diagram shows a balsam plant.



- (a) Label the parts (i) to (iv) in the diagram. [2]
- (b) How does part (iv) help the plant? [1]

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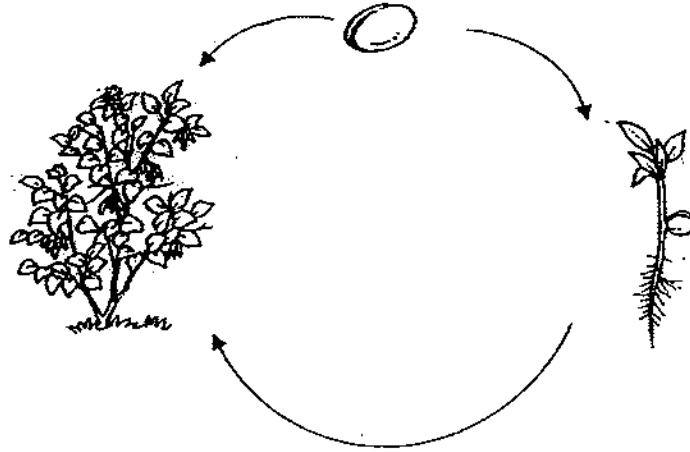
21 Recently in Singapore, there was a record number of people being ill with the dengue fever, a disease caused by the Aedes mosquito.



An Aedes mosquito

- (a) Where do mosquitoes lay their eggs? [1]
- 
- (b) Based on what you know about the life cycle of a mosquito, suggest 2 ways to stop the mosquitoes from breeding. [2]
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

22 The diagram shows the life cycle of a plant.



- (a) One of the arrows has been wrongly drawn. Put a cross (X) on it. [1]
- (b) Fill in the blanks with the correct words. [2]

When a seed germinates, the \_\_\_\_\_ grows first. Then the \_\_\_\_\_ appears. The seedling first gets its food from the seed \_\_\_\_\_. When the first leaves develop, the seedling starts to make its own \_\_\_\_\_. The seedling gradually grows into an adult plant.

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- 23 Brandon wants to find out if a ball is heavier when he pumps more air into it. He has 3 identical balls and each weighs 200g. He pumps different volumes of air into it. The results are recorded in the table below.



Ball A



Ball B



Ball C



Ball	Mass after being inflated (g)	Mass of air in the ball (g)
A	350	
B	400	
C	450	

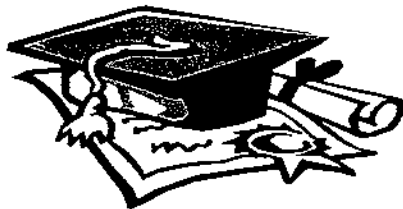
- (a) Fill in the above column for the mass of air in each ball. [1]
- (b) What does this experiment show about air? [1]

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End of paper.

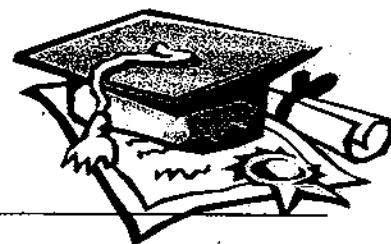


# ANSWER SHEET

## EXAM PAPER 2009

SCHOOL : ACS PRIMARY  
SUBJECT : PRIMARY 4 SCIENCE

TERM : CA1



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
3	4	3	2	1	3	4	2	3	3	1	2	2	2	4

16)a) Bottle B.

b) The grasshoppers in Bottle A had food but it did not have air and did not have damp soil and the grasshoppers in Bottle C had air and damp soil but it lacked food while the grasshoppers in bottle B had air, water and food to survive.

17)a) P: feathers Q: fur R: shell S: scales

b) Animals that lay eggs or give birth.

18)a) plastic bag B.

b) White bread in bag B is moist enough for mould to grow.

19)a) respiratory system and circulatory system.

b) Muscular system and skeletal system.

20)a) i) leaf ii) fruit iii) flower iv) roots

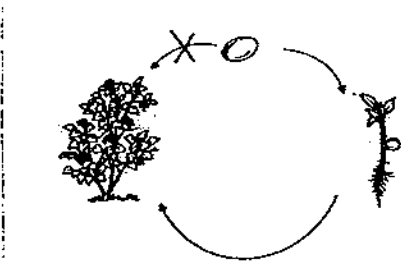
b) It absorbs water and mineral salts from the ground to other places of the plant.

21)a) Mosquitoes lay their eggs in stagnant water.

b) i) Remove any unused water anywhere.

ii) Flush toilets and close the lids.

22)a)



b)roots, shoot, leaves, food

23)a)A: 150 B: 200 C: 250

b)Air has mass.